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Toxic Potential of Nitroguanidine on Reproduction and Fertility in Rats

(Volume 2 of 2) (Part 2)

V.G. Coppes C.L. Gomez C.B Clifford S. Ferraris and D.W. Korte, Jr.

MAMMALIAN TOXICOLOGY BRANCH Division of Toxicology

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The potential of nitroguant was evaluated in Sprague-Date 0, 1.3, 4.0, and 12.7 particles of nitroguant at 0, 1.3, 4.0, and 12.7 particles of nitroguant at 0, 1.3, 4.0, and 12.7 particles of nitroguanidine dose levels abbits. The diet was fed to a days of age and continued at 1.0 parent at 1.0 parent natings were within the same at 1.0 pups were within the same of not breed were euthanized not breed were euthanized not breed were euthanized at 0, 4, 7, 14, 14, 14, 15 pups were culled to 8 resident the pups were weaned at 20. DISTRIBUTION/AVAILABILITY OF ABSTRACT DUNCLASSIFIED/UNLIMITED SAME AS RESIDENTIAL ASSIFIED/UNLIMITED SAME AS RESIDENTIAL ASSIFIED SAME AS RESIDENTIAL	irts per thouseroximated to the parent ued throughout al males and the dose group, and 21 days emaining pups to 21 days of	representation of age, 1 males age, 1 males uniclassi	Ine was In you 316, ar cicity so nd female lives and ere pair ental mal riod. Li n day 4 1 and 4 fee and 1 fee	mixed ing adu id 100 tudies es star d to t ed for es and tters Litters emales female	into the diet k It rats these O mg/kg/day in rats and ting at 56 to he F1 and F2 mating. All females that were examined of more than if possible. from each
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19 (cont.) litter were selected to continue as parents for the next generation. Pups not selected and dams were euthanized. When the F1 animals a mass were 20 weeks age the breeding procedure was repeated. The F2 pups and dams were euthanized at weaning. Nitroguanidine caused a decrease in some of the weekly body weights in the high dose animals, but the decrease was not consistent throughout the study. Terminal body weights were lower for the the high dose F1 males and females and low dose F1 females. There were no dose-related effects on clinical signs, mating, fertility, gestation, litter size, pup weights or survival. Histopathological examination of the reproductive organs on adult animals and gross examination of weanlings showed no lesions attributable to nitroguanidine in any of the generations. (EDC)

Appendix 0: PATHOLOGY

GLP Study #87-012

Principal Investigator: Valerie G. Coppes, BS Co-Principal Investigator: Charlotte Gomez

Study Pathologist: Charles B. Clifford, DVM, PhD, MAJ, VC

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I. INTRODUCTION

Study: Reproductive and Fertility Toxicity Test in Rats

Test Compound: Nitroguanidine.

Animal: Rattus norvegicus, Sprague-Dawley, 5 week, 100-250 gram, Male and Female.

Dosage Groups:

	Dose
Group 1 (Control)	0.0 ppm
Group 2	1.3 ppm
Group 3	4.0 ppm
Group 4	12.7 ppm

Generational Subgroups

Subgroup 1 Parental Subgroup 2 Offspring (F₁)

Reference: SOP-OP-STX-79

II. SUMMARY OF PATHOLOGY PROCEDURES

Euthanasia: Sodium Pentobarbital, Intraperitoneal.

Fixative: 10% Neutral Buffered Formalin.

Histopathology: Routine.

Other Procedures: Terminal Body Weights.



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III. PUPS: Some of the F_1 generation were selected for dosing and to be the parents of the F_2 generation. The remainder of the F_1 generation and all of the F_2 generation were sacrificed at 22-24 days of age. Terminal body weight, age at sacrifice, and date of sacrifice were recorded, these data are listed in Pathology Annex A. The first seven characters in a pup's animal identification number are those of the dam, the next character identifies the sex of the pup, and the last one or two characters are the number of the pup in its litter. Gross lesions were observed in only two pups of the 822 examined. 87D0868F2, from the F_2 high dose group, had a focal subcapsular cyst on the middle lobe of the liver. Microscopically, mild subcapsular telangiectasis was observed. 87D0952F4, from the F_2 control group, had yellow-white foci visible on the surface of the liver. Microscopically, although no lesion was observed, subcapsular foci of extramedullary hematopoiesis were especially prominent, and probably accounted for the gross observation.

IV. TERMINAL BODY WEIGHTS (ADULTS): Terminal body weight data are summarized for all females in Pathology Table 1. Pathology Table 2 has terminal body weight data for the parental generation for the females, and Pathology Table 3 has these data for the F₁ generation. Pathology Tables 4, 5 and 6 have similar information from the males. In these and other Pathology Tables, data are listed as being in two Xybion studies on the computer: 87012F for the females; 87012M for the males. Body weight data were analyzed by analysis of variance, and where the F probability was less than 0.05, differences between dosed and control groups were analyzed by Fisher's least significant difference method. In both the males and the females, there was a significant difference in terminal body weight between the high dose groups and the controls, due largely to decreased body weights in the F₁ high dose groups. The F₁ low dose (Group 2) females also had a significant decrease in body weight. No morphologic reason was observed to explain this variation. No other significant differences in terminal body weights were noted, either between generations or among dosage groups.

V. GROSS FINDINGS (ADULTS): Incidence summary reports of gross lesions for all deaths are listed in Pathology Tables 7, 8, and 9 for females and in 10, 11, and 12 for males. Congestion of the liver was observed more frequently in the F₁ generation males than in the parental generation males, but differences among treatment groups were not significant and the change in the frequency of this observation was attributed to changes in necropsy personnel and possibly in stringency of grading criteria. Histologically, these livers were normal. No other differences among treatment groups or between generations were significant.

VI. MICROSCOPIC FINDINGS (ADULTS): Tissues saved for microscopic examination from all groups were: Pituitary gland and gonads from both sexes; uterus and vagina from females; epididymis, seminal vesicle, coagulating gland and prostate gland from males. All lesions noted at gross necropsy were also saved for microscopic examination.

One animal, an F_1 male, 87D00941, from dosage group 2, died on study. Tissues were moderately autolytic and the cause of death was not determined. Data from this animal are included in Pathology Annex C, and in all appropriate Pathology Tables.

All tissues were examined from groups 1 (control) and 4 (high dose). Lesions were graded on a subjective severity scale of 1 =slight, 2 =mild, 3 =moderate, 4 =marked, and 5 =severe.

Pathology Tables 13, 14, and 15 list the incidence summary of all microscopic observations of tissues from all females, parental females, and F₁ females, respectively. Pathology Tables 16, 17, and 18 have similar information from the males. Based on results of Kolmogorov-Smirnov twotailed analysis (95% confidence level) of microscopic findings, no lesion was significantly more frequent in a treated group than in the control group, from either sex. One lesion, however, lymphocytic inflammation in the prostate, was significantly less frequent in the high dose parental males than in the parental control group, see Pathology Table 17, and was also lower than in the F, high dose males, by Fisher's exact two-tailed test (BMDP Statistical Software, Los Angeles, CA). Prostate, therefore, was examined from males in all dosage groups in both generations. Lymphocytic inflammation was observed in prostates of intermediate dose group males from both generations less frequently than in the control groups, and the F1 high dose males had a slightly higher incidence of this lesion than the F1 male control group, but none of these differences were significant. Most lesions in the prostate, as well as in other organs, were graded as either slight or mild. Lymphocytic inflammation of the prostate and other accessory sex glands is common finding in rats (1, 2, 3), and considered in this study to be unrelated to treatment. The low incidence in the high dose parental males is considered to be by chance alone, or possible slight change in sampling location or other methodologic variation, and not reflective of a protective effect of nitroguanidine.

No significant differences were observed in the incidence of any lesion in either sex between generations.

Pathology Annex B contains the Individual Animal Reports, with terminal body weight data, and gross and microscopic findings, for all females, organized by dosage group and animal number. Pathology Annex C contains similar information for the males. Pathology Annex D contains a glossary of microscopic diagnoses.

VII. SUMMARY COMMENTS: No lesions were observed in these animals which were attributable to treatment. Lesions which were observed were generally slight to mild, and were considered to be incidental findings of little or no clinical significance.

CHARLES B. CLIFFORD, DVM, PhD

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MAJ, VC

Diplomate, ACVP

Division of Military Trauma Research

12 February 1990

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- 2. Franks, L.M., Normal and Pathological Anatomy of the Genital Tract of Rats and Mice, in Pathology of Laboratory Rats and Mice, (Cotchin, E. and Roe, F.J.C., eds.) Blackwell Scientific Publications, Oxford, 1966, p. 480.
- 3. Greaves, P. and Faccini, J.M., Rat Histopathology, Elsevier, Amsterdam, 1984, p. 161.

PATHOLOGY
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Appendix 0

	40	w r	2 2	Control	Group
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i t test)	Female Animals Data non-homogeneous by Bartlett's test (modified t test)	Female Animals Data non-homogeneous by Bartlett's test (modified t test)	ıp(s): 1	Controls from group(s): 1
TERATOLOGY/		Keport Includes all dead animals (All subgroups) Study Start Date: 21-Jul-87	:	1 94 129	PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAULEY
PRINTED: 05-Dec-89 Page: 1		Summary Statistics for Terminal Body Weights (kgs) Study Number: 87012F	Summary Statistics for T	ESEARCH	LETTERHAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP

Analysis of variance: F ratio ≈ 3.20 Df $\approx 3/220$ F probability ≈ 0.024 Note: a * indicates group mean is significantly different from control at level of significance shown. 57 0.32 0.04 0.01 55 0.32 0.03 0.01 60 0.33 0.04 Number/group
Mean
Standard deviation
Group diff.a P=.05
Group diff.a P=.05

Pathology Table 1 Maternal Females

TAINING TAINING TAINING TO CONTROL OF CANADA CON		:her's (sd test)	7		0.30	0.03	0.01	0.02
Summary Statistics for Terminal Body Weights (kgs) Study Number: 87012F	Report includes all dead animals (Subgroup: Study Start Date: 21-Jul-87	Data homogeneous by Bartlett's test (Fischer's lsd test)	m			0.03	0.01	0.02 0.02
-		-		34	0.31	0.03		
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAWLEY	Controls from group(s):	group	Number/group	Kean	Standard deviation	Group diff.a P=.05	Group diff.a P=.01

Analysis of variance: F ratio = 1.74 Df = 3/133 F probability = 0.160Note: a * indicates group mean is significantly different from control at level of significance shown.

Pathology Table 2 Maternal Females - Parental Generation

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAWLEY	29	Summary Statistics for Terminal Body Weights (kgs) Study Number: 87012F Report includes all dead animals (Subgroup: Study Start Date: 21-Jul-87	nal Body Weights (kgs 87012F animals (Subgroup: 21-Jul-87	PRINTED: 05-Dec-89 Page: 1 TERATOLCGY/
Controls from group(s):		Female Animals Data non-homogeneous by Bartlett's test (modified t test)	na i s riett's test (modifie	d t test)
Group Number/group Mean Standard deviation Group diff.a P=.05	Control 26 0.36 0.04	2 20 0.33 0.03 0.02*	23 0.34 0.02 0.02	4 18 0.03 0.02* 0.03*
Analysis of variance: F ratio = 3.28 Df = 3/83 F probability = 0.025 Note: a * indicates group mean is significantly different from control at level of significance shown.	3.28 D	Df = 3/83 F probability = 0.025 itly different from control at level of	<pre>/* 0.025 level of significance</pre>	shour.

Pathology Table 3 Maternal Females - Fl Generation

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Appendix O (Cont.): PATHOLOGY

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Summary Statistics for Terminal Body Weights (kgs) Study Number: 87012M	Report includes all dead animals (All subgroups) Study Start Date: 21-Jul-87	
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/	

Controls from group(s): 1	s): 1	Male Animals Data homogeneous by Bartlett's test (Fischer's Isd test)	Animals by Bartlett's tes	t (Fischer's ls	d test)
dnorg	Control	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	0 2 1 1 1 2 3 4 5 5 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		7
Number/group	51	97		87	75
Mean	0.56	0.55	0	.54	0.53
Standard deviation	90.0	0.07	0	90.	0.05
Group diff.a P×.05		0.03	0	0.03	0.03*
Group diff.a P≖.01		0.03	0	.03	0.03
Analysis of variance: F ratio = 2.07 Df * $3/183$ F probability = 0.104 Note: a * indicates group mean is significantly different from control at level of significance shown.	= 2.07 (is significant	of = 3/183 F p ly different from c	robability = 0.10 ontrol at level o	4 f significance	shown.

Pathology Table 4 Males

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Analysis of variance: F ratio ≈ 0.56 Df $\approx 3/95$ F probability ≈ 0.649 Note: a * indicates group mean is significantly different from control at level of significance shown.

Pathology Table 5 Males - Parental Generation

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Appendix 0 (Cont.): PATHOLOGY

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Summary Statistics for Terminal Body Weights (kgs) Study Number: 87012M Report includes all dead animals (Subaroun:	
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	RAT/

Controls from	Controls from group(s): 1	Male An Data homogeneous by Ba	Male Animals Data homogeneous by Bartlett's test (fischer's [schest)	s (sd test)
anolg		Control		7
Number/group	26	21	23	1 8
Keb	0.61	0.61	0.58	0.57
Standard deviation	0.04	90.0	0.04	70°0
Group diff.a P=.05		0.03	0.03	0.03*
Group diff.a Pr.01		70.0	0.04	**************************************

Analysis of variance: F ratio = 3.95 Df = 3/84 F probability = 0.011 Note: a ** indicates group mean is significantly different from control at level of significance shown.

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Pathology Table 6 Males - Fl Generation

	Appendix	ppendix O (Cont.): PATHOLOGY
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAVLEY	Incidence	S
)9	Females 2 2 5 5 5	3 4 57 53
LIVER CONGESTED	00	1 0 2 0
LUNGS VHITE FOCI	00	100
TAIL DIARRHEA STAINING	0	2 0
INVOLUTION SITES FETUS IN UTERUS MESOMETRIAL ADHESION PARTIALLY RESORBED FETUS UNILATERAL APLASIA	M	44 46 40 40 40 40 40 40 40 40 40 40
WHOLE BODY NO LESIONS RECOGNIZED	7 05 25	48 46

Pathology Table 7 Maternal Females

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LETYERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAWLEY	Inc	idenc	E &	ncidence Summary Report for Gross Necropsy Observations Study Number: 87012F Report includes all dead animals Study Start Date: 21-Jul-87	PRINTED: 05-Feb-90 Page: 1 TERATOLOGY/
Ctls 34	•	Females 3 3 3 3 4	34	4 34	
LIVER CONGESTED WHITE AREAS ON CAPSULE		00	-2	00	
TAIL DIARRHEA STAINING	-	0	~	0	
INVOLUTION SITES	, 2001 2001 2001	3011108	200002	10 20 00 00 4	
WHOLE BODY NO LESIONS RECOGNIZED	28 0	30	27	29 1	

Pathology Table 8 Maternal Females - Parental Generation

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Inc	dence	SUBJ	Incidence Summary Report for Gross Necropsy Observations Study Number: 87012f	PRINTED: 05-Feb-90 Page: 1
RESIDIO OF SAN TRANCISCO, CA 74-E7 RAT/SPRAGUE-DAULEY					TERATOLOGY/
ctls 2 3 4	Ctis	- Females	l m		
2	و و	20	23	19	
LUNGS LUNGS WHITE FOCI	0	0	0		
RED FOCI	0	0	-	0	
UTERUS INVOLUTION SITES	17	*	16	2	
FETUS IN UTERUS	. •	0	0	-	
UNITE SPOTS	-	0	-	-	
UNDLE BODY NO LESIONS RECOGNIZED	25	20	21	17	

Pathology Table 9 Maternal Females - F1 Generation

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/		inc i de	S UC	Incidence Summary Report for Gross Necropsy Observations Study Number: 87012M Report includes all dead animals Study Start Date: 21-Jul-87	PRINTED: 07-Feb;90 Page: 1 Teratology/
	ctls 51	Males 2 46	, w \$	4.3	
KIDNEY CONGESTION 1 DISCOLORATION 0 HYDRONEPHROSIS 0	-00	00-	000	0 1 0	
LIVER CONGESTED	4	'n	4	2	
LUNGS CONGESTION	0	-	0	0	
SPLEEN DISCOLORATION		0	0	•	
THYMUS' CONGESTED/RED	0	-	0		
WHOLE BODY NO LESIONS RECOGNIZED	7,7	39	77	-	

Pathology Table 10 Males

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PRINTED: 04-Jan-90 Page: 1 TERATOLOGY/		
Incidence Summary Report for Gross Necropsy Observations PRINTED: 04-Jan-90 Study Number: 87012M Page: 1 Report includes all dead animals Study Start Date: 21-Jul-87	Hales 2 3 4 25 25 24	25 25 24
		25 2
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/	Ct1s 25	WHOLE BODY NO LESIONS RECOGNIZED

Pathology Table 11 Males - Parental Generation

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/	-	ncide	S DC	Incidence Summary Report for Gross Necropsy Observations Study Number: 87012M Report includes all dead animals Study Start Date: 21-Jul-87	PRINTED: 04-Jan-90 Page: 1 TERATOLOGY/
Ct1s	: .	Males 2 3 21 23	: 22	19	
KIDNEY CONGESTION DISCOLORATION HYDRONEPHROSIS	-00	00-	000	0	
LIVER CONGESTED	4	'n	4	2	
LUNGS CONGESTION	0	-	0	0	
SPLEEN DISCOLORATION	0	0	0		
THYMUS CONGESTED/RED	0	۳-	0	0	
WHOLE BODY NO LESIONS RECOGNIZED	22	75	19	17	

Pathology Table 12 Males - Fl Generation

C.H.	Incidence Summary of Microscopic Study Number: 87012F All Diagnoses Study Start Date: 21-Jul	oscopic Observations :: 87012F .cses :: 21-Ju(-87	suo		PRINTED: Page:): 30-Nov-89 e: 1 Teratology/
dead animals s): 1 th Diagnoses	i ma i n	ctls 60	a (s F e m a 55	1 A f	fected 4 53	
PITUITARY GLANDNumber CYST(S)	ber examined:	60	00	00	52 1	
CYST(S) CYST(S) HYPERPLASIA, INTERSTITIAL CELL MINERALIZATION DECREASED CORPORA LUTEA	Number examined:	0 N O N O	00000	00000	23 32 4	
UTERUSNumb PIGMENT IN MACROPHAGES INFLAMMATION, LYMPHOCYTIC DILATED LUMEN LYMPHOID AGGREGATES HEMORRHAGE/HEMATOMA INFLAMMATION, SUPPURATIVE	Number examined:	26 26 26 20 10 10 10	M00+000	m0N-000	20 0 0 0 1 to 0 0 1 to 0 0 0 1 to 0 0 0 0 1 to 0 0 0 0 1 to 0 0 0 1 to 0 0 0 1 to 0 1 to 0 0 1 to 0 0 1 to 0 1 to 0 1 to 0 0 1 to 0 0 1 to	
VAGINANumber INFLAMMATION, LYMPHOCYTIC HENORRHAGE INFLAMMATION, SUBACUTE INFLAMMATION, ACUTE, SEROSA	er examined:	N 74-00	00000	00000	740W	
URINARY BLADDER	Number examined:	18	00	00	25 0	
FETUSNumber AUTOLYSIS, ASSOCIATED WITH ENDOHETRIAL INFLAMMATION	er examined: ON		00	00	24-	
COLOM	er examined:	•-	0	0	€0	
SKIN	er examined:	0	0	0	-	

Pathology Table 13 Maternal Females

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Appendix O (Cont.): PATHOLOGY

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAULEY	Incidence Summary of Microscopic Observations Study Number: 87012F Ail Diagnoses Study Start Date: 21-Jul-87	oscopic Observat: 87012F oses: 21-Jul-87	ions		PRINTED: 30-Nov-89 Page: 2
Notes: Animals = all dead animals Controls from group(s): 1	Animal sex:	S) BE LUY	S .	¥ ¥	Affected
Tissues With Diagnoses	Dosage group: No. in group:	ctls 60	rema 2 55	57 34 8	4 KN
	Number examined:	0	0	00	2 2 2 4
LIVER	Number examined:) oo	- 00
LUNGNumber examined: ALVEOLAR MISTIOCYTOSIS MEMORRAGE INFLAMMATION INTERETITION	Number examined:	000	00 0	000	
. SINDER THE PROPERTY NORMONE		. 0	0	0	~ ~~

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov

Pathology Table 13 (Cont.) Maternal Females

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP	Incidence Summary of Microscopic Study Number: 870126	copic Observations 87012F	81		PRINTED: 02-Jan-90 Page: 1
PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAWLEY	All Diagnoses Study Start Date: 21	es 21-Jul-87	,		TERATOLOGY/
Notes: Animals sall dead animals Controls from group(s): 1	Animal sex: Dosage group: No. in group:	A n i m a Ctls F	s 2 2 35	A f f e e s 4 34 34 34	4.4 c t e e d · ·
1	Number examined:	34	00	0 33	m-
OVARIES	Kumber examined:	W 4 0 F C	00000	00000	2002
UTERUS	Number examined:	34 15 0 0 0	m00-000	23 10 10 10 10 10 10	4W-8000
VAGINA	Number examired:	27	00000	00000	28 0 1
URIMARY BLADDER	Number examined:	18	00	00	25 0
:=	**************************************		00	00	12
COLOM	Number examined:	0	0	0	10
XXXX	Number examined:	0	0	0	-
		* 1			

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test. Table 14 Parental Generation Pathology Maternal Females, -

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PERSIATO OF SAN FRANCISCO CA 04120	Incidence Summary of Microscopic Observations Study Number: 87012F All Diagnoses	oscopic Observation: 87012F	suo		PRINTED: 02 Page: 2	PRINTED: 02-Jan-90 Page: 2
RAT/SPRAGUE-DAWLEY	Study Start Date: 21-Jul-87	: 21-Jul-87		1	- 1	TERATOLOGY/
Notes: Anima(s x all dead animals)))		- × -	Animals Affected	
Tissues With Diagnoses	Dosage group:	Ctls 34	3.2	34	34	
VULVANumber examined:	Number examined:	00	00	00	4 د	
LIVERNumber examined:	Number examined:	₩.	• •	00	00	
LUNGNumber examined:	Number examined:	0	0	0	0	
Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.	ignificantly different from control at the 0.05 level using the Kolmogorov	ontrol at the 0.0	5 level	using	the Kolmogorov-Sn	nirnov

Pathology Table 14 Maternal Females - Parental Generation

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Incidence Summary of Microscopic Study Number: 870128	roscopic Observations r: 87012F	s		PRINTED: 02-Jan-90 Page: 1
I FRANCISCO, CA 94129 JLEY	Study Start Date:	e: 21-Jul-87		•	TERATOLOGY/
Notes: Animals = all dead animals Controls from group(s): 1	Animal sex:	Anima Ctls		A f f e c t	 U
D	No. in group:		20 23	3 19	
PITUITARY GLAND	Number examined:	26	00	0 19	
CYST(S) HYPERPLASIA, INTERSTITIAL CELL MINERALIZATION DECREASED CORPORA LUTEA	Number examined:	%-020 %-020	00000	00 00 00 00 00	
UTERUS	Number examined:	% % \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	000000	100000	
INAION, LYMPHOCYTIC HEMORRHAGE INFLAMMATION, SUBACUTE INFLAMMATION, SUBACUTE INFLAMMATION, ACUTE, SERDSA	Number examined:	и м о о о	00000	00 00 mm mm m m m m m m m m m m m m m m	
URIWARY BLADDER	Number examined:	0	0	0	
	Number examined:	0	0	0	
COTON	Number examined:	-	0	<u>ب</u>	
	Number examined:	0	0	0	

Pathology Table 15 Maternal Females - Fl Generation

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Incidence Summary of Microscopic Observations Study Number: 87012F	pic Observat 012F	suo		PRINTED: 02-Jan-90 Page: 2
PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley	All Diagnoses Study Start Date: 21-Jul-87	-Jul-87			TERATOLOGY/
Notes: Animals = all dead animals	C V	S = 1 C Y		* - (A fected.
Controls from group(s): 1 Tissues With Diagnoses	Animal sex: Dosage group: No. in group:	Ct [s 26	# 7 0 E 0 0	s 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	40,
VULVANumber examined:	Number examined:	0	0	0	0
LIVERNumber examined:	Number examined:	0	0	0	0
LUNGNumber examined: ALVEOLAR HISTIOCYTOSIS HEMORRHAGE INFLAMMATION, INTERSTITIAL, SUBACUTE	Number examined:	0000	0000	0000	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 15 (Cont.) Maternal Females - F1 Generation

Appendix O (Cont.): PATHOLOGY

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LETTERMAN ARMY FUSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Incidence Summary of Microscopic Observations Study Number: 87012M All Diagnoses Study Start Date: 21-Jul-87	copic Observation 87012M es 21-Jul-87	• • • • • • • • • • • • • • • • • • •	• • • •	2 C C C C C C C C C C C C C C C C C C C	: 30-NoV-89 : 1 TERATOLOGY/
Notes: Animals * all dead animels Controls from group(s): 1 T is sues With Diagnoses	Animal sex: Dosage group: No. in group:	Ct(s : 2	1 s 4 s 4 6 4 6	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 to the total tot	-
	Number examined:	9. 9. 1.	000	000	36 0 1	
TESTISNumber examined: INFLAMMATION, LYMPHOCYTIC, TUN?CA ALBUGINEA DEGENERATION, SEMINIFEROUS TUBULES HYPERPLASIA, INTERSTITIAL CELL	Number examined:	8,450	-000	0000	моои	
EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC INFLAMMATION, GRANULOMATOUS INFLAMMATIOM, SUBACUTE DECREASED SPERMATOZOA EPITHELIAL HYPERPLASIA	Number examined:	127	-00000	000000	₩ 0 10 10 10 10 10 10 10 10 10 10 10 10 10	
SEMINAL VESICLE	Number examined:	51	-	0	m	
COAGULATING GL	Number examined:	1.0	-0	00	M +-	
:	Number examined:	28 28 28 28 28	Маом-оо	87.040±0	W 0 0 0	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 16

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Incluence Study Number Study Number	87 Ses			Page: 2
RAT/	אנחמא אנשני השיבי הייייי אנשני השרפיייי	e: C1-30(-0)			
	Anima	a m i m A	~ X	6 A + +	ected
и 0	Dosage group:	5 CT CS	7 7 7 9 7 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9	48	73
URINARY BLADDER	Number exa	23 0	-0	00	24 1
LIVER ACUTE	Number examined:	20	9-	70	0 2
KIDNEY VACUOLATION, EPITHELIUM OF TUBULES HYPERPLASIA, EPITHELIUM OF TUBULES HYDROMEPHROSIS, UNILATERAL	Number examined:	00	-00-	0000	-0-0
SPLEEN	Number examined:	0	0	0	-
ADREMAL GLAND	Number examined:	0	-	0	0
TRACHEA	Kumber examined:	0	-	٥	0
ESOPHAGUS	Number examined:	0	-	0	0
THYROID GLAND	Number examined:	0	-	0	0
PARATHYROID GL	Number examined:	0		0	0
HEART	Number examined:	0	-	0	0
ADRTA	Number examined:	0	-	0	0
LUNG ACUTE CONGESTION VASCULAR MINERALIZATION	Number examined:	0000	00	0000	
ALVEOLAR HISTIOCYTOSIS		•	-	•	o

Pathology Table 16 (Cont.) Males

PATHOLOGY
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(Cont.)
Appendix 0

DIV OF RES SUPP, PATH SERV GP Presidio of San Francisco, ca 94129 Rat/	Study Number: 87012M All Diagnoses Study Start Date: 21-Jul-87	87012M :es 21-Jul-87			Page: 3 TERATOLOGY/
Notes: Animals = all dead animals Controls from group(s): 1	Animal sex:	6 E	, s x	Affected.	3 6 6 2 5 7 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9
Tissues with Diagnoses	No. in group:	ct (s 51	94	5 4 48 43	
THYMUS	Number examined:	0 0		00	
SALIVARY GLAND	Number examined:	0		0	
MINSTINE	Number examined:	0	0	0 0	

(Cont.) Table 16 Males Pathology

LETIERHAN AKRI INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/	Study Number: 87012M All Diagnoses Study Start Date: 21-Jul-87	r: 87012M noses e: 21-Jul-87			a 2 a a a a a a a a a a a a a a a a a	e: 1 Teratology/
Notes: Animals mall dead animals Controls from group(s): 1 Tissues With Diagnoses	Animal sex: Dosage group: No. in group:	- A n i m Ctls 25	a (s x	e A + 1	f e c t e d 24 24	
	Number examined:	20	000	000	18 0 0	
TESTIS	Number examined: IEA	24 1 1 1 1 1	0000	0000	24 0 7	
:	Number examined:	25 10 10 0 0	00000	000000	24 74 0	
SEMINAL VESICLE	Number examined:	25	0	0	54	
COAGULATING GL	Number examined:	25	00	00	54 0	
PROSTATE	Number examined:	25 122 2 2 0 1	2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0	, , , , , , , , , , , , , , , , , , ,	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test. Pathology Table 17 Males - Parental Generation

Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Incidence Summary of Microscopic Observations Study Number: 87012M	scopic Observation 87012M	suo		PRINTED: 29-Nov-89 Page: 2	04-89
PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/	All Diagnoses Study Start Date: 21-Jul-87	ses 21-Jul-87			TERAT	TERATOLOGY/
xores: Apige(s s e)(dead epige(s		EIUV	a (s	¥ ¥	Animals Affected	
Controls from group(s): 1	Animal sex:	•	- 6 X	s		
Tissues With Diagnoses	Dosage group: No. in group:	Ct(s 25	52 52	5 2	7 7 7	
URINARY BLADDER	xusber exasined:	23	0	0	24	: ! !
INFLAMMATION, LYMPHOCYTIC		0	0	0	-	
LIVER	Number examined:	0	0	0	0	
KIDNEY	Number examined:	0	0	0	0	
SPLEEN	Number examined:	0	0	0	0	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 17 (Cont.) Males - Parental Generation

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DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Study Number: 87012M All Diagnoses	noses			 e c	TEBATOLOGY/
	study start Date: 21-Jul-07	e: 21-301-8/				
Notes: Animals # # dead animals		8 E . U Y	υ 4 	¥ .	ected	
Controls from group(s): . Tissues With Diagnoses		Ctls 26	21	, m K	19	
	Number examined:	3 3 3	000	000	18 0 1	
TESTIS	Number examined: .'	26 1 2 0 0	-000	0000	\$0 m t	
EPIDIDYMUS	Number examined:	26 7 0 0 0	-00000	00000	0 0	
SEMINAL VESICLE	Number examined:	26	-	0	19	
COAGULATING GL	Number examined:	26 0	-0	00	19	
	Number examined:	9770000	000000	W+00000	6 9 0 0 0 T T T	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test. Generation Table Pathology Wales - F1

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	Appendix 0 (Cont.):	PATHOLOGY		
LETTERMAN ARMY :NSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/	Incidence Summary of Microscopic Observations Study Number: 87012M All Diagnoses Study Start Date: 21-Jul-87	scopic Observations 87012M ses 21-Jul-87		PRINTED: 29-Nov-89 Page: 4 TERATOLOGY/
Notes: Animals = all dead animals Controls from group(s): 1	Animal sex:	N B B I C V	A f f e c t e d	
Tissues With Diagnose	vs	26 21	23 19	
URINARY BLADDER	Number examined:	00	0	
LIVER ACUTE	Number examined:	200	7 0	
KIDNEY	Number examined:	00	0000	
SPLEEN	Number examined:	0	0	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 18 (Cont.) Males - Fl Generation - F1 Appendix O (Cont.):

Pathology Annex A

F₁ Dose Group 1 - Females

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0421F3	42659	22d/10 Nov 87	41.8 g	2 Dec 87
421F4	42660	22d/10 Nov 87	39.2 g	2 Dec 87
421F8	42661	22d/10 Nov 87	44.4 g	2 Dec 87
425F1	42200	24d/26 Oct 87	68.2 g	19 Nov 87
425F2	42200	24d/26 Oct 87	69.2 g	19 Nov 87
425F4	42202	24d/26 Oct 87	70.0 g	19 Nov 87
437F1	42173	22d/25 Oct 87	47.8 g	16 Nov 87
437F2	42174	22d/25 Oct 87	50.5 g	16 Nov 87
437F6	42175	22d/25 Oct 87	49.5 g	16 Nov 87
442F4	42231	22d/28 Oct 87	42.9 g	19 Nov 87.
442F5	42232	22d/28 Oct 87	46.2 g	19 Nov 87
442F7	42233	22d/28 Oct 87	43.4 g	19 Nov 87
422F9	42234	22d/28 Oct 87	45.5 g	19 Nov 87
442F11	42235	22d/28 Oct 87	43.5 g	19 Nov 87
445F1	42239	22d/28 Oct 87	44.6 g	19 Nov 87
445F2	42240	22d/28 Oct 87	42.8 g	19 Nov 87
445F4	42241	22d/28 Oct 87	43.6 g	19 Nov 87
446F3	42679	22d/12 Nov 87	48.7 g	4 Dec 87
446F4	42680	22d/12 Nov 87	51.2 g	4 Dec 87
446F5	42681	22d/12 Nov 87	47.8 g	4 Dec 87
446F8	42682	22d/12 Nov 87	52.9 g	4 Dec 87
446F9	42683	22d/12 Nov 87	47.1 g	4 Dec 87
447F1	42322	22d/29 Oct 87	54.9 g	20 Nov 87
447F2	42323	22d/29 Oct 87	50.1 g	20 Nov 87
447F5	42324	22d/29 Oct 87	53.3 g	20 Nov 87
461F1	42331	22d/29 Oct 87	49.5 g	20 Nov 87
461F2	42332	22d/29 Oct 87	52.0 g	20 Nov 87
472F1	42347	22d/29 Oct 87	43.4 g	20 Nov 87
472F3	42348	22d/29 Oct 87	47.2 g	20 Nov 87
472F7	42349	22d/29 Oct 87	47.2 g	20 Nov 87
479F1	42397	26d/30 Oct 87	58.1 g	25 Nov 87
479F2	42398	26d/30 Oct 87	69.4 g	25 Nov 87
479F5	42399	26d/30 Oct 87	61.1 g	25 Nov 87
484F1	42409	25d/31 Oct 87	56.9 g	25 Nov 87
484F2	. 42410	25d/31 Oct 87	57.8 g	25 Nov 87
484F4	42411	25d/31 Oct 87	53.6 g	25 Nov 87
496F1	42435	23d/2 Nov 87	55.7 g	25 Nov 87
496F5	42436	23d/2 Nov 87	58.3g	25 Nov 87
. 498 F1	42445	22d/3 Nov 87	45.5 g	25 Nov 87
498F2	42352	20d/3 Nov 87	15.1 g	23 Nov 87
498F3	42446	22d/3 Nov 87	48.6 g	25 Nov 87
507F1	42449	22d/3 Nov 87	61.3 g	25 Nov 87

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Appendix O (Cont.): PATHOLOGY

Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0507F2	42450	22d/3 Nov 87	48.4 g	25 Nov 87
509F1	42454	22d/3 Nov 87	48.0 g	25 Nov 87
509F3	42455	22d/3 Nov 87	49.2 g	25 Nov 87
509F7	42456	22d/3 Nov 87	43.9 g	25 Nov 87
512F1	42149	22d/8 Nov 87	63.6 g	30 Nov 87
512F3	42150	22d/8 Nov 87	58.3 g	30 Nov 87
520F1	42770	22d/22 Nov 87	49.8 g	14 Dec 87
520F2	42771	22d/22 Nov 87	47.5 g	14 Dec 87
520F6	42772	22d/22Nov 87	55.0 g	14 Dec 87
523F3	42764	23d/21 Nov 87	39.5 g	14 Dec 87
523F4	42765	23d/21 Nov 87	55.4 g	14 Dec 87
523F7	42766	22d/21 Nov 87	54.0 g	14 Dec 87
525F1	42793	22d/25 Nov 87	47.9 g	17 Dec 87
525F2	42794	22d/25 Nov 87	40.0 g	17 Dec 87
525F7	42795	22d/25 Nov 87	49.3 g	17 Dec 87
542F1	42591	22d/8 Nov 87	50.8 g	30 Nov 87
542F2	42592	22d/8 Nov.87	50.8 g	30 Nov 87
542F5	42593	22d/8 Nov 87	43.3 g	30 Nov 87
545F1	42460	23d/7 Nov 87	56.3 g	30 Nov 87
545F2	42461	23d/7 Nov 87	48.4 g	30 Nov 87
546F2	42594	22d/8 Nov 87	59.6 g	30 Nov 87
550F1	42665	22d/10 Nov 87	33.5 g	2 Dec 87
550F2	42666	22d/10 Nov 87	28.5 g	2 Dec 87
550F4	42667	22d/10 Nov 87	29.0 g	2 Dec 87
551F10	42595	22d/8 Nov 87	52.5 g	30 Nov 87
551F3	42597	22d/8 Nov 87	46.4 g	30 Nov 87
551F7	42598	22d/8 Nov 87	48.9 g	30 Nov 87
551F9	42599	22d/8 Nov 87	49.5 g	30 Nov 87
WH 3	12000	2200110101	40.0 g	501104 57
F ₁ Dose Group 2 - Females				
87D0424F2	42167	22d/25 Oct 87	38.7 g	16 Nov 87
424F3	42168	22d/25 Oct 87	37.5 g	16 Nov 87
424F6	42169	22d/25 Oct 87	36.1 g	16 Nov 87
448F1	42552	24d/6 Nov 87	56.8 g	30 Nov 87
448F3	. 42553	24d/6 Nov 87	56.6 g	30 Nov 87
448F7	42554	24d/6 Nov 87	58.2 g	30 Nov 87
449F1	42637	22d/9 Nov 87	50.3 g	1 Dec 87
· 449F7	42638	22d/9 Nov 87	43.3 g	1 Dec 87
449F10	42639	22d/9 Nov 87	40.7 g	1 Dec 87
452F1	42414	24d/1 Nov 87	72.6 g	25 Nov 87
452F2	42415	24d/1 Nov 87	66.5 g	25 Nov 87
463F1	42227	24d/26 Oct 87	51.5 g	19 Nov 87
1001 1	1	1 -4020 00001	1 02.0 5	

Appendix O (Cont.):

Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0463F2	42228	24d/26 Oct 87	51.6 g	19 Nov 87
463F4	42229	26d/26 Oct 87	49.4 g	19 Nov 87
464F2	42336	22d/29 Oct 87	48.0 g	20 Nov 87
464F3	42337	22d/29 Oct 87	50.4 g	20 Nov 87
473F1	42419	24d/1 Nov 87	56.7 g	25 Nov 87
473F2	42420	24d/1 Nov 87	58.9 g	25 Nov 87
473F4	42421	24d/1 Nov 87	53.8 g	25 Nov 87
475F2	42387	26d/30 Oct 87	68.8 g	25 Nov 87
476F1	42688	22d/15 Nov 87	47.2 g	7 Dec 87
476F2	42689	22d/15 Nov 87	53.9 g	7 Dec 87
476F6	42690	22d/15 Nov 87	53.2 g	7 Dec 87
488F1	42701	22d/18 Nov 87	39.9 g	10 Dec 87
488F2	42702	22d/18 Nov 87	40.9 g	10 Dec 87
488F6	42703	22d/18 Nov 87	38.2 g	10 Dec 87
495F4	42687	24d/13 Nov 87	65.7 g	7 Dec 87
499F1	42558	24d/6 Nov 87	64.7 g	30 Nov 87
499F2	42559	24d/6 Nov.87	59.9 g	30 Nov 87
499F5	42560	24d/6 Nov 87	68.1 g	30 Nov 87
502F2	42570	23d/7 Nov 87	57.4 g	30 Nov 87
502F5	42571	23d/7 Nov 87	62.7 g	30 Nov 87
518F1	42494	23d/4 Nov 87	45.2 g	27 Nov 87
518F7	42495	23d/4 Nov 87	46.8 g	27 Nov 87
518F10	42496	23d/4 Nov 87	49.5 g	27 Nov 87
522F1	42526	22d/5 Nov 87	51.5 g	27 Nov 87
522F3	42527	22d/5 Nov 87	44.3 g	27 Nov 87
522F7	42528	22d/5 Nov 87	45.3 g	27 Nov 87
531F1	42457	22d/8 Nov 87	50.4 g	30 Nov 87
531F2	42610	22d/8 Nov 87	46.0 g	30 Nov 87
534F1	42614	22d/8 Nov 87	39.1 g	30 Nov 87
534F2	42615	22d/8 Nov 87	36.0 g	30 Nov 87
534F6	42616	22d/8 Nov 87	35.6 g	30 Nov 87
536F1	42582	23d/7 Nov 87	52.1 g	30 Nov 87
536F2	42583	23d/7 Nov 87	56.4 g	30 Nov 87
536F5	42584	23d/7 Nov 87	56.2 g	7 Nov 87
549F1	42650	22d/9 Nov 87	55.7 g	1 Dec 87
549F2	42651	22d/9 Nov 87	52.2 g	1 Dec 87
549F4	42652	22d/9 Nov 87	55.2 g	1 Dec 87
			i	

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Appendix O (Cont.): PATHOLOGY

Pathology Annex A

F₁ Dose Group 3 - Females

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0417F1	42458	22d/8 Nov 87	54.3 g	30 Nov 87
417F3	42143	22d/8 Nov 87	54.2 g	30 Nov 87
417F6	42144	22d/8 Nov 87	49.2 g	30 Nov 87
417F9	42145	22d/8 Nov 87	54.1 g	30 Nov 87
420F1	42161	22d/25 Oct 87	45.1 g	16 Nov 87
420F3	42162	22d/25 Oct 87	41.7 g	16 Nov 87
420F7	42163	22d/25 Oct 87	43.3 g	16 Nov 87
432F1	42156	23d/24 Oct 87	48.9 g	16 Nov 87
432F2	42157	23d/24 Oct 87	51.4 g	16 Nov 87
432F4	42158	23d/24 Oct 87	51.9 g	16 Nov 87.
435F1	42221	24d/26 Oct 87	60.3 g	19 Nov 87
435F2	42222	24d/26 Oct 87	60.6 g	19 Nov 87
435F5	42223	24d/26 Oct 87	65.3 g	19 Nov 87
443F2	42179	22d/25 Oct 87	54.4 g	16 Nov 87
456F1	42251	22d/28 Oct 87	47.6 g	19 Nov 87
456F2	42252	22d/28 Oct 87	45.2 g	19 Nov 87
456F4	42253	22d/28 Oct 87	48.4 g	19 Nov 87
459F2	42326	22d/29 Oct 87	56.8 g	20 Nov 87
466F1	42373	26d/30 Oct 87	69.9 g	25 Nov 87
466F2	42374	26d/30 Oct 87	68.1 g	25 Nov 87
466F4	42375	26d/30 Oct 87	67.3 g	25 Nov 87
466F6	42376	26d/30 Oct 87	68.8 g	25 Nov 87
469F1	42341	22d/29 Oct 87	46.7 g	20 Nov 87
469F2	42342	22d/29 Oct 87	48.0 g	20 Nov 87
469F5	42343	22d/29 Oct 87	50.8 g	20 Nov 87
471F1	42481	23d/4 Nov 87	49.1 g	27 Nov 87
471F2	42482	23d/4 Nov 87	50.0 g	27 Nov 87
471F4	42483	23d/4 Nov 87	49.7 g	27 Nov 87
471F6	42484	23d/4 Nov 87	48.6 g	27 Nov 87
478F1	42403	25d/31 Oct 87	54.0 g	25 Nov 87
478F3	42404	25d/31 Oct 87	55.1 g	25 Nov 87
478F7	42405	25d/31 Oct 87	58.6 g	25 Nov 87
480F1	42499	22d/5 Nov 87	46.0 g	27 Nov 87
480F2	42500	22d/5 Nov 87	50.8 g	27 Nov 87
480F5	. 42501	22d/5 Nov 87	49.2 g	27 Nov 87
480F6	42502	22d/5 Nov 87	50.1 g	27 Nov 87
490F1	42430	23d/2 Nov 87	60.1 g	25 Nov 87
490F2	42431	23d/2 Nov 87	55.4 g	25 Nov 87
. 490F5	42432	23d/2 Nov 87	52.0 g	25 Nov 87

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Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0494F1	42506	22d/5 Nov 87	50.7 g	27 Nov 87
494F2	42507	22d/5 Nov 87	49.4 g	27 Nov 87
508F1	42750	22d/19 Nov 87	51.9 g	11 Dec 87
508F2	42751	22d/19 Nov 87	49.6 g	11 Dec 87
511F2	42564	24d/6 Nov 87	50.3 g	30 Nov 87
511F3	42565	24d/6 Nov 87	44.3 g	30 Nov 87
511F8	42566 42566	24d/6 Nov 87	_	30 Nov 87
515F1	42575	23d/7 Nov 87	46.2 g 53.7 g	30 Nov 87
515F7	42576	23d/7 Nov 87	51.4 g	30 Nov 87
515F10	42577	23d/7 Nov 87	51.4 g 50.7 g	30 Nov 87
526F1	42643	22d/9 Nov 87	46.2 g	1 Dec 87
526F2	42644	22d/9 Nov 87	40.2 g 43.7 g	1 Dec 87
526F5	42645	22d/9 Nov 87	37.4 g	1 Dec 87
527F1	42755	22d/19 Nov 87		11 Dec 87
527F2	42756	22d/19 Nov 87	52.8 g	11 Dec 87
527F4	42757	22d/19 Nov 87	50.5 g	11 Dec 87
537F5	42600	22d/8 Nov.87	49.4 g	30 Nov 87
537F1	42618	22d/8 Nov 87	60.2 g 40.8 g	30 Nov 87
537F3	42619	22d/8 Nov 87		30 Nov 87
543F1	42776	22d/23 Nov 87	56.3g	
543F3	42777	22d/23 Nov 87	48.0 g 50.4 g	15 Dec 87 15 Dec 87
543F6	42778	22d/23 Nov 87	48.7 g	15 Dec 87
547F1	42465	23d/7 Nov 87		30 Nov 87
547F2	42466	23d/7 Nov 87	53.2 g	30 Nov 87
547F4	42467	23d/7 Nov 87	53.8 g 54.7 g	30 Nov 87
OXILA	1 42401	250/1140/0/	04.1 g	20 1404 91
	$\mathbf{F_1}$ Do	se Group 4 - Fem	ales	
87D0414F1	42672	22d/11 Nov 87	41.7 g	3 Dec 87
414F3	42673	22d/11 Nov 87	40.6 g	3 Dec 87
414F7	42674	22d/11 Nov 87	41.6 g	3 Dec 87
426F1	42206	24d/26 Oct 87	48.0 g	19 Nov 87
426F2	42207	24d/26 Oct 87	44.1g	19 Nov 87
426F4	42208	24d/26 Oct 87	50.3 g	19 Nov 87
429F1	42213	24d/26 Oct 87	54.7 g	19 Nov 87
429F2	42214	24d/26 Oct 87	60.3 g	19 Nov 87
429F4	. 42215	24d/26 Oct 87	54.0 g	19 Nov 87
434F2	42217	24d/26 Oct 87	72.2 g	19 Nov 87
450F1	42245	22d/28 Oct 87	39.2 g	19 Nov 87
450F2	42246	22d/28 Oct 87	38.7 g	19 Nov 87
450F6	42247	22d/28 Oct 87	42.3 g	19 Nov 87
467F1	42379	26d/30 Oct 87	63.2 g	25 Nov 87
467F3	42380	26d/30 Oct 87	63.3 g	25 Nov 87
467F5	42381	26d/30 Oct 87	64.8 g	25 Nov 87
467F7	42382	26d/30 Oct 87	62.1 g	25 Nov 87
			\ \\ b	

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
Ammaria				05 Mars 97
87D0477F1	42391	26d/30 Oct 87	66.1 g	25 Nov 87 25 Nov 87
477F2	42392	26d/30 Oct 87	62.7 g	25 Nov 87
477F5	42393	26d/30 Oct 87	65.6 g	25 Nov 87
500F1	42424	24d/1 Nov 87	56.1 g	25 Nov 87 25 Nov 87
500F2	42425	24d/1 Nov 87	63.4 g	25 Nov 87 25 Nov 87
500F4	42426	24d/1 Nov 87	60.5 g	25 Nov 87 9 Dec 87
503F2	42697	22d/17 Nov 87	40.9 g	
503F3	42698	22d/17 Nov 87	39.0 g	9 Dec 87
503F8	42699	22d/17 Nov 87	38.3 g	9 Dec 87
504F1	42488	23d/4 Nov 87	47.1 g	27 Nov 87
504F2	42489	23d/4 Nov 87	47.5 g	27 Nov 87
504F4	42490	23d/4 Nov 87	45.2 g	27 Nov 87
505F1	42440	23a/2 Nov 87	54.5 g	25 Nov 87
505F3	42441	23d/2 Nov 87	54.1 g	25 Nov 87
506F1	42512	22d/5 Nov 87	46.6 g	27 Nov 87
506F2	42513	22d/5 Nov 87	41.5 g	27 Nov 87
506F4	42514	22d/5 Nov 87	44.8 g	27 Nov 87
513F1	42520	22d/5 Nov 87	46.6 g	27 Nov 87
513F2	42521	22d/5 Nov 87	44.9 g	27 Nov 87
513F4	42522	22d/5 Nov 87	45.5 g	27 Nov 87
517F1	42622	22d/8 Nov 87	42.0 g	30 Nov 87
517F2	42623	22d/8 Nov 87	48.7 g	30 Nov 87
517F6	42624	22d/8 Nov 87	48.9 g	30 Nov 87
528F2	42578	23d/7 Nov 87	58.5 g	30 Nov 87
538F1	42602	22d/8 Nov 87	54.4 g	30 Nov 87
538F2	42603	22d/8 Nov 87	51.9 g	30 Nov 87
539F1	42607	22d/8 Nov 87	49.7 g	30 Nov 87
539F2	42608	22d/8 Nov 87	53.7 g	30 Nov 87
539F5	42609	22d/8 Nov 87	49.7 g	30 Nov 87
540F1	42785	22d/24 Nov 87	42.5 g	16 Dec 87
540F2	42786	22d/24 Nov 87	37.9 g	16 Dec 87
540F4	42787	22d/24 Nov 87	41.5 g	16 Dec 87

F₁ Dose Group 1 - Males

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
00000404344	40050	001/1037 07	400.4	0.75 07
87D0421M1	42656	22d/10 Nov 87	47.1 g	2 Dec 87
421M2	42657	22d/10 Nov 87	42.2 g	2 Dec 87
421M4	42658	22d/10 Nov 87	41.1 g	2 Dec 87
425M2	42199	24d/26 Oct 87	79.2 g	19 Nov 87
430M1	42152	23d/24 Oct 87	66.0 g	16 Nov 87
430M2	42153	23d/24 Oct 87	64.3 g	16 Nov 87
431M2	42216	24d/26 Oct 87	62.5 g	19 Nov 87
437M1	42170	22d/25 Oct 87	46.5 g	16 Nov 87
437M2	42171	22d/25 Oct 87	50.5 g	16 Nov 87
437M4	42172	22d/25 Oct 87	38.2 g	16 Nov 87.
442M2	42230	22d/28 Oct 87	46.6 g	19 Nov 87
445M1	42236	22d/28 Oct 87	44.0 g	19 Nov 87
445M3	42237	22d/28 Oct 87	45.2 g	19 Nov 87
445M7	42238	22d/28 Oct 87	46.8 g	19 Nov 87
446M2	42678	22d/12 Noy 87	52.3 g	4 Dec 87
447M1	42319	22d/29 Oct 87	53.6 g	20 Nov 87
447M3	42320	22d/29 Oct 87	50.8 g	20 Nov 87
447M7	42321	22d/29 Oct 87	51.9 g	20 Nov 87
461M2	42327	22d/29 Oct 87	48.6 g	20 Nov 87
461M3	42328	22d/29 Oct 87	50.0 g	20 Nov 87
461M5	42329	22d/29 Oct 87	53.8 g	20 Nov 87
461M6	42330	22d/29 Oct 87	49.6 g	20 Nov 87
472M1	42344	22d/29 Oct 87	45.4 g	20 Nov 87
472M2	42345	22d/29 Oct 87	50.9 g	20 Nov 87
472M4	42346	22d/29 Oct 87	55.7 g	20 Nov 87
479M1	42394	26d/30 Oct 87	68.0 g	25 Nov 87
479M2	42395	26d/30 Oct 87	66.0 g	25 Nov 87
479M6	42396	26d/30 Oct 87	68.4 g	25 Nov 87
484M1	42406	25d/31 Oct 87	56.0 g	25 Nov 87
484M3	42407	25d/31 Oct 87	55.8 g	25 Nov 87
484M7	42408	25d/31 Oct 87	60.8 g	25 Nov 87
496M1	42433	23d/2 Nov 87	55.9 g	25 Nov 87
496M2	42434	23d/2 Nov 87	48.1 g	25 Nov 87
498M2	42442	22d/3 Nov 87	51.3 g	25 Nov 87
498M3	42443	22d/3 Nov 87	47.3 g	25 Nov 87
498M8	42444	22d/3 Nov 87	48.3 g	25 Nov 87
507M1	42447	22d/3 Nov 87	64.7 g	25 Nov 87
507M2	42448	22d/3 Nov 87	63.3 g	25 Nov 87
509M1	42451	22d/3 Nov 87	50.4 g	25 Nov 87
509M2	42452	22d/3 Nov 87	50.6 g	25 Nov 87
509M4	42453	22d/3 Nov 87	50.8 g	25 Nov 87

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Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0512M1	42146	22d/8 Nov 87	61.1 g	30 Nov 87
512M2	42147	22d/8 Nov 87	52.8 g	30 Nov 87
512M4	42148	22d/8 Nov 87	57.1 g	30 Nov 87
520 M 1	42767	22d/22 Nov 87	59.9 g	14 Dec 87
520M2	42768	22d/22 Nov 87	46.1 g	14 Dec 87
520M4	42769	22d/22 Nov 87	50.2 g	14 Dec 87
542M1	42589	22d/8 Nov 87	47.3 g	30 Nov 87
542M2	42590	22d/8 Nov 87	56.0 g	30 N0v 87
545M1	42585	23d/7 Nov 87	56.4 g	30 Nov 87
545M2	42586	23d/7 Nov 87	54.8 g	30 Nov 87
545M6	42587	23d/7 Nov 87	58.3 g	30 Nov 87
545M4	42588	23d/7 Nov 87	56.4 g	30 Nov 87
550M1	42662	22d/10 Nov 87	33.7 g	2 Dec 87
550M2	42663	22d/10 Nov 87	27.9 g	2 Dec 87
550M5	42664	22d/10 Nov 87	29.2 g	2 Dec 87
551M3	42596	22d/8 Nov 87	46.3 g	30 Nov 87
523M1	42762	23d/21 Nov 87	58.8 g	14 Dec 87
523M2	42763	23d/21 Nov 87	57.2 g	14 Dec 87
525M1	42791	22d/25 Nov 87	50.5 g	17 Dec 87
525M2	42792	22d/25 Nov 87	54.7 g	17 Dec 87

F₁ Dose Group 2 -Males

87D0424M1	42164	22d/25 Oct 87	38.0 g	16 Nov 87
424M2	42165	22d/25 Oct 87	41.4 g	16 Nov 87
424M5	42166	22d/25 Oct 87	35.9 g	16 Nov 87
448M1	42549	24d/6 Nov 87	59.1 g	30 Nov 87
448M2	42550	24d/6 Nov 87	59.6 g	30 Nov 87
448M5	42551	24d/6 Nov 87	60.4 g	30 Nov 87
449M1	42634	22d/9 Nov 87	50.4 g	1 Dec 87
449M2	42635	22d/9 Nov 87	48.0 g	1 Dec 87
449M6	42636	22d/9 Nov 87	50.2 g	1 Dec 87
452M1	42412	24d/1 Nov 87	69.4 g	25 Nov 87
452M2	42413	24d/1 Nov 87	69.7 g	25 Nov 87
463M1	42224	24d/26 Oct 87	57.8 g	19 Nov 87
463M2	42225	24d/26 Oct 87	59.2 g	19 Nov 87
463M5	42226	24d/26 Oct 87	50.3 g	19 Nov 87
464M1	42333	22d/29 Oct 87	51.1 g	20 Nov 87
464M2	42334	22d/29 Oct 87	47.2 g	20 Nov 87
464M6	42335	22d/29 Oct 87	51.9 g	20 Nov 87
473M1	42416	24d/1 Nov 87	64.9 g	25 Nov 87
473M2	42417	24d/1 Nov 87	66.0 g	25 Nov 87
473M4	42418	24d/1 Nov 87	61.9 g	25 Nov 87
475M1	42383	26d/30 Oct 87	73.1 g	25 Nov 87

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Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0475M2	42384	26d/30 Oct 87	72.4 g	25 Nov 87
475M4	42385	26d/30 Oct 87	71.9 g	25 Nov 87
475M5	42386	25d/30 Oct 87	68.1 g	25 Nov 87
476M1	42691	22d/15 Nov 87	57.4 g	7 Dec 87
476M2	42692	22d/15 Nov 87	55.1 g	7 Dec 87
488M1	42704	22d/18 Nov 87	44.0 g	10 Dec 87
488M2	42705	22d/18 Nov 87	37.8 g	10 Dec 87
488M4	42706	22d/18 Nov 87	39.7 g	10 Dec 87
499M1	42555	24d/6 Nov 87	66.1 g	30 Nov 87
499M7	42556	24d/6 Nov 87	59.2 g	30 Nov 87
499M10	42557	24d/6 Nov 87	62.7 g	30 Nov 87
501M2	42508	22d/5 Nov 87	58.6 g	27 Nov 87
502M1	42567	23d/7 Nov 87	62.2 g	30 Nov 87
502M3	42568	23d/7 Nov 87	62.8 g	30 Nov 87
502M7	42569	23d/7 Nov 87	63.2 g	30 Nov 87
518M1	42491	23d/4 Nov 87	45.2 g	27 Nov 87
518M2	42492	23d/4 Nov 87	50.9 g	27 Nov 87
518M4	42493	23d/4 Nov 87	50.8 g	27 Nov 87
522M1	42523	22d/5 Nov 87	43.8 g	27 Nov 87
522M2	42524	22d/5 Nov 87	47.9 g	27 Nov 87
522M5	42525	22d/5 Nov 87	45.5 g	27 Nov 87
531M2	42625	22d/8 Nov 87	49.2 g	30 Nov 87
531M3	42626	22d/8 Nov 87	50.3 g	30 Nov 87
531M6	42627	22d/8 Nov 87	47.7 g	30 Nov 87
531M7	42628	22d/8 Nov 87	49.8 g	30 Nov 87
533M5	42646	22d/9 Nov 87	39.1 g	1 Dec 87
534M1	42611	22d/8 Nov 87	36.8 g	30 Nov 87
534M2	42612	22d/8 Nov 87	40.9 g	30 Nov 87
534M4	42613	22d/8 Nov 87	39.9 g	30 Nov 87
536M1	42579	23d/7 Nov 87	53.2 g	30 Nov 87
536M2	42580	23d/7 Nov 87	51.6 g	30 Nov 87
536M4	42581	23d/7 Nov 87	54.1 g	30 Nov 87
549M1	42647	22d/9 Nov 87	53.3 g	1 Dec 87
549M3	42648	22d/9 Nov 87	52.7 g	1 Dec 87
549M7	42649	22d/9 Nov 87	55.8 g	1 Dec 87
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我感染了一个,我就是这一个人,我们们就没有这个人的,我们就是我们的人的人,我们就是我们的人的人的人,我们就是我们的人,我们就是我们的人的人,我们就是我们的人,他们

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F₁ Dose Group 3 -Males

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
00000410341	40.400	00.1/0.37 .07	40.0	00 37 00
87D0417M1	42468	22d/8 Nov 87	49.6 g	30 Nov 87
417M2	42802	22d/8 Nov 87	56.4 g	30 Nov 87
420M1	42159	22d/25 Oct 87	45.3 g	16 Nov 87
420M2	42160	22d/25 Oct 87	39.6 g	16 Nov 87
427M4	42209	24d/26 Oct 87	81.0 g	19 Nov 87
432M1	42154	23d/24 Oct 87	50.5 g	16 Nov 87
432M9	42155	23d/24 Oct 87	47.6 g	16 Nov 87
435M1	42218	24d/26 Oct 87	64.2 g	19 Nov 87
435M2	42219	24d/26 Oct 87	65.4 g	19 Nov 87
435M4	42220	24d/26 Oct 87	63.4 g	19 Nov 87
443M1	42176	22d/25 Oct 87	58.5 g	16 Nov 87
443M2	42177	22d/25 Oct 87	58.8 g	16 Nov 87
443M4	42178	22d/25 Oct 87	54.5 g	16 Nov 87
456M1	42248	22d/28 Oct 87	45.3 g	19 Nov 87
456M2	42249	22d/28 Oct 87	41.6 g	19 Nov 87
456M4	42250	22d/28 Oct 87	45.9 g	19 Nov 87
459M2	42325	22d/29 Oct 87	58.3 g	20 Nov 87
466M1	42371	26d/30 Oct 87	69.6 g	25 Nov 87
466M2	42372	26d/30 Oct 87	74.8 g	25 Nov 87
469M1	42338	22d/29 Oct 87	48.2 g	20 Nov 87
469M7	42339	22d/29 Oct 87	47.4 g	20 Nov 87
469M10	42340	22d/29 Oct 87	49.6 g	20 Nov 87
471M1	42479	23d/4 Nov 87	55.9 g	27 Nov 87
471M2	42480	23d/4 Nov 87	58.0 g	27 Nov 87
478M2	42400	25d/31 Oct 87	54.9 g	25 Nov 87
478M3	42401	25d/31 Oct 87	63.9 g	25 Nov 87
478M5	42402	25d/31 Oct 87	63.0 g	25 Nov 87
480M1	42497	22d/5 Nov 87	49.7 g	27 Nov 87
480M2	42498	22d/5 Nov 87	50.0 g	27 Nov 87
490M1	42427	23d/2 Nov 87	55.0 g	25 Nov 87
490M2	42428	23d/2 Nov 87	62.4 g	25 Nov 87
490M6	42429	23d/2 Nov 87	62.6 g	25 Nov 87
494M1	42503	22d/5 Nov 87	52.4 g	27 Nov 87
494M2	42504	22d/5 Nov 87	52.6 g	27 Nov 87
494M4	42505	22d/5 Nov 87	48.7 g	27 Nov 87
508M2	42749	22d/19 Nov 87	49.2 g	11 Dec 87
511M1	42561	24d/6 Nov 87	51.1 g	30 Nov 87
511M2	42562	24d/6 Nov 87	46.4 g	30 Nov 87
511M4	42563	24d/6 Nov 87	52.6 g	30 Nov 87
515M1	42572	23d/7 Nov 87	50.5 g	30 Nov 87

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Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0515M2	42573	23d/7 Nov 87	48.2 g	30 Nov 87
515M5	42574	23d/7 Nov 87	55.1 g	30 Nov 87
526M1	42640	22d/9 Nov 87	47.6 g	1 Dec 87
526M2	42641	22d/9 Nov 87	53.3 g	1 Dec 87
526M4	42642	22d/9 Nov 87	47.2 g	1 Dec 87
527M2	42752	22d/19 Nov 87	55.5 g	11 Dec 87
527M3	42753	22d/19 Nov 87	50.2 g	11 Dec 87
527M8	42754	22d/19 Nov 87 22d/8 Nov 87	57.9 g	11 Dec 87 30 Nov 87
537M2	42617 42775	22d/23 Nov 87	50.1 g	- *
543M5	42735 42462	23d/7 Nov 87	49.1 g	15 Dec 87 30 Nov 87
547M1	42462 42463	23d/7 Nov 87	55.6 g	30 Nov 87
547M2	42463 42464	23d/7 Nov 87	60.3 g	30 Nov 87
547M5	42404	250// 1909 67	55.3 g	20 1/0/ 91
	F1 I	Dose Group 4 -Mal	les	•
87D0414M1	42669	22d/11 Nov 87	43.4 g	3 Dec 87
414M2	42670	22d/11 Nov 87	46.1 g	3 Dec 87
414M4	42671	22d/11 Nov 87	44.6 g	3 Dec 87
426M1	42203	24d/26 Oct 87	54.5 g	19 Nov 87
426M2	42204	24d/26 Oct 87	50.0 g	19 Nov 87
426M5	42205	24d/26 Oct 87	56.8 g	19 Nov 87
429M1	42210	24d/26 Oct 87	61.7 g	19 Nov 87
429M3	42211	24d/26 Oct 87	55.2 g	19 Nov 87
429M7	42212 42242	24d/26 Oct 87 22d/28 Oct 87	59.8 g	19 Nov 87 19 Nov 87
450M1 450M2	42242	22d/28 Oct 87	44.0 g 45.7 g	19 Nov 87
450M6	42243	22d/28 Oct 87	40.2 g	19 Nov 87
467M1	42377	26d/30 Oct 87	66.7 g	25 Nov 87
467M2	42378	26d/30 Oct 87	62.4 g	25 Nov 87
477M2	42388	26d/30 Oct 87	72.2 g	25 Nov 87
477M3	42389	26d/30 Oct 87	69.0 g	25 Nov 87
477M8	42390	26d/30 Oct 87	64.6 g	25 Nov 87
500M1	42422	24d/1 Nov 87	63.9 g	25 Nov 87
500M2	42423	24d/1 Nov 87	67.4 g	25 Nov 87
503M1	42694	22d/17 Nov 87	41.4 g	9 Dec 87
503M2	42695	22d/17 Nov 87	37.1 g	9 Dec 87
503M5	42696	22d/17 Nov 87	40.0 g	9 Dec 87
504M1	42485	23d/4 Nov 87	51.1 g	27 Nov 87
504M2	42486	23d/4 Nov 87	47.2 g	27 Nov 87
504M5	42487	23d/4 Nov 87	48.9 g	27 Nov 87
505M1	42437	23d/2 Nov 87	53.9 g	25 Nov 87
505M2	42438	23d/2 Nov 87	50.8 g	25 Nov 87

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Appendix O (Cont.): PATHOLOGY

Pathology Annex A

		00	TCY A	
87D0505M6 506M1 506M2 506M4 510M1 510M2 513M1 513M2 513M4 517M1 517M2 517M5 538M4 539M1 539M2 539M4 540M1 540M2	Path Acc. N 42439 42509 42510 42511 42515 42516 42517 42518 42519 42459 42620 42621 42601 42604 42605 42606 42782	23d/2 Nov 87 22d/5 Nov 87 22d/8 Nov 87	45.2 g 47.9 g 45.9 g 44.2 g 46.7 g 50.4 g 51.4 g 48.6 g 52.7 g 54.4 g 48.6 g 49.9 g 52.8 g	25 Nov 87 27 Nov 87 30 Nov 87
539M4 540M1	42605 42606	22d/8 Nov 87	48.6 g 49.9 g	30 Nov 87 30 Nov 87
	Fo Doo	1	I	- -

F₂ Dose Group 1 - Females

00000-	•	2 Dose Group 1 - I	Tomol-	
87D0814F1	1 100-		emaies	
814F7	43239	1 242/0 4		
91470	43240	24d/8 Apr 88	1511	
814F9	43241	1 44U/X An= 00		2 May 88
814F10	10241	24d/8 477 00	1 10 E	1 200
822F5	43242	24d/8 Apr 88	63.0 g	1 ~ 111a V AX
830F1	43212	24d/8 Apr 88	59.0 g	1 ~ 111ay AX
0001.1	43611	1 44W// Ann 00		
830F2	10011	1 440/25 Ammon	44.9 g	29 Apr 88
830F3	43612	22d/25 A Pr 08	46.0 g	1 ~~ 41UL AX
830F4	43613	22d/25 Apr 88	46.6 g	17 May 88
	43614	1 44WZD An 00		1 17 May 88
848F2	43295	1 44WZ3 Ann 00	45.1 g	17 May 88
848F3	4000	23d/9 Apr 88	45.1 g	17 May 88
848F4	43296	234/0 4	51.3 g	nay 88
848F8	43297	23d/9 Apr 88	50.9 g	2 May 88
0207-0	. 43298	1 40U/9 Ann 00	51.4 g	1 2 May 88
858F1	43318	1 40WH Ann 00	51.4 g	2 May 88
858F5	10010	1 400/10 Ann on	52.1 g	2 May 88
858F7	43319	23d/10 Apr 88	61.3 g	2 May 88
. 862F1	43320	23d/10 Apr 88	58.0 g	3 May 88
90217	43326	1 40W III A 22 OA	62.4	3 May 88
862F2	43327	1 40W Ann on	63.4 g	3 May 88
862F3	42000	1 ~UW 111 A ~ OA 1	52.1 g	3 May 88
862F4	43328	23d/10 Apr 88	57.8 g	3 M. 00
-	43329	200 to Apr 88	44.6 g	3 May 88
		23d/10 Apr 88	5715	3 May 88
			57.1g	3 May 88

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
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87D0872F1 .	43341	23d/10 Apr 88	64.1 g	3 May 88
872F2	43342	23d/10 Apr 88	59.2 g	3 May 88
872F3	43343	23d/10 Apr 88	65.8 g	3 May 88
872F4	43344	23d/10 Apr 88	64.7 g	3 May 88
876F1	43364	22d/11 Apr 88	50.0 g	3 May 88
876F2	43365	22d/11 Apr 88	49.7 g	3 May 88
876F4	43366	22d/11 Apr 88	50.6 g	3 May 88
878F1	43495	22d/14 Apr 88	50.2 g	6 May 88
878F2	43496	22d/14 Apr 88	52.7 g	6 May 88
878F5	43497	22d/14 Apr 88	47.0 g	6 May 88
878F6	43498	22d/14 Apr 88	55.4 g	6 May 88
922F1	43620	22d/26 Apr 88	57.9 g	18 May 88
922F2	43621	22d/26 Apr 88	49.8 g	18 May 88
922F3	43622	22d/26 Apr 88	49.9 g	18 May 88
922F4	43623	22d/26 Apr 88	49.3 g	18 May 88
940F1	43449	22d/12 Apr 88	36.0 g	4 May 88
940F3	43450	22d/12 Apr 88	36.1 g	4 May 88
940F4	43451	22d/12 Apr 88	38.2 g	4 May 88
952F1	43676	22d/1 May 88	58.9 g	23 May 88
952F2	43677	22d/1 May 88	56.3 g	23 May 88
*952F6	43679	22d/1 May 88	35.4 g	23 May 88
956F1	43518	22d/14 Apr 88	46.2 g	6 May 88
956F2	43519	22d/14 Apr 88	45.3 g	6 May 88
956F6	43520	22d/14 Apr 88	43.2 g	6 May 88
970F2	43524	22d/14 Apr 88	59.6 g	6 May 88
970F4	43525	22d/14 Apr 88	60.0 g	6 May 88
972F1	43531	22d/14 Apr 88	46.8 g	6 May 88
972F3	43532	22d/14 Apr 88	48.2 g	6 May 88
972F5	43533	22d/14 Apr 88	49.5 g	6 May 88
972F7	43534	22d/14 Apr 88	50.6 g	6 May 88
*952F4	43678 - gro	l ss lesions observe	l d, separat	l te report

F₂ Dose Group 2 - Females

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0808F1	43414	22d/12 Apr 88	40.6 g	4 May 88
808F2	43415	22d/12 Apr 88	38.3 g	4 May 88
808F3	43416	22d/12 Apr 88	39.8 g	4 May 88
808F4	43417	22d/12 Apr 88	41.9 g	4 May 88
844F1	43632	22d/27 Apr 88	46.8 g	19 May 88
844F4	43633	22d/27 Apr 88	58.8 g	19 May 88
854F1	43269	24d/8 Apr 88	64.0 g	2 May 88
854F2	43270	24d/8 Apr 88	61.4 g	2 May 88
854F4	43271	24d/8 Apr 88	61.9 g	2 May 88
854F7	43272	24d/8 Apr 88	63.6 g	2 May 88
864F1	43430	22d/12 Apr 88	61.5 g	4 May 88
864F2	43431	22d/12 Apr 88	63.3 g	4 May 88
866F1	43334	23d/10 Apr 88	58.7 g	3 May 88
866F2	43335	23d/10 Apr 88	54.0 g	3 May 88
866F4	43336	23d/10 Apr 88	58.7 g	3 May 88
*868F2	43434	22d/12 Apr 88	70.6 g	4 May 88
886F1	43602	22d/24 Apr 88	53.3 g	16 May 88
886F2	43603	22d/24 Apr 88	53.3 g	16 May 88
886F4	43604	22d/24 Apr 88	51.9 g	16 May 88
886F5	43605	22d/24 Apr 88	49.8 g	16 May 88
892F1 892F3	43503 43504	22d/14 Apr 88 22d/14 Apr 88	45.6 g	6 May 88
892F4	43505	22d/14 Apr 88	52.6 g 46.6 g	6 May 88 6 May 88
902F1	43384	22d/11 Apr 88	40.0 g	3 May 88
904F1	43511	22d/14 Apr 88	41.2 g	6 May 88
904F3	43512	22d/14 Apr 88	53.2 g	6 May 88
908F1	43399	22d/11 Apr 88	46.9 g	3 May 88
908F2	43400	22d/11 Apr 88	48.1 g	3 May 88
908F3	43401	22d/11 Apr 88	42.3 g	3 May 88
914F1	43639	22d/27 Apr 88	37.3 g	19 May 88
914F2	43640	22d/27 Apr 88	38.6 g	19 May 88
914F6	43641	22d/27 Apr 88	36.9 g	19 May 88
926F1	43405	22d/11 Apr 88	46.7 g	3 May 88
926F2	43406	22d/11 Apr 88	47.7 g	3 May 88
928F1	43545	24d/15 Apr 88	55.1 g	9 May 88
928F2	43546	24d/15 Apr 88	54.0 g	9 May 88
928F5	43547	24d/15 Apr 88	60.1 g	9 May 88
928F6	43548	24d/15 Apr 88	57.5 g	9 May 88
942F1	43457	22d/12 Apr 88	45.3 g	4 May 88
942F6	43458	22d/12 Apr 88	49.4 g	4 May 88
948F1	43469	22d/13 Apr 88	47.8 g	5 May 88
948F2	43470	22d/13 Apr 88	52.3 g	5 May 88
948F3	43471	22d/13 Apr 88	49.7 g	5 May 88
*868F2	43434 - gre	oss lesions observe	ed, separa	te report

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Appendix O (Cont.): PATHOLOGY

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
07770040774	43472	003/19 A 00	41.0 ~	, EMorro
87D0948F4 960F1	43478	22d/13 Apr 88	41.2 g 46.6 g	5 May 88
960F2	43479	22d/13 Apr 88 22d/13 Apr 88	48.3 g	5 May 88 5 May 88
960F3	43480	22d/13 Apr 88	47.9 g	5 May 88
960F4	43481	22d/13 Apr 88	42.7 g	5 May 88
964F1	43485	22d/13 Apr 88	51.2 g	5 May 88
964F8	43486	22d/13 Apr 88	53.9 g	5 May 88
00110				1 0 1.143 00
	$\mathbf{F_2}$ Do	se Group 3 - Fem	ales	
87D0804F2	43287	23d/9 Apr 88	58.0 g	2 May 88
804F3	43288	23d/9 Apr 88	66.8 g	2 May 88
804F8	43289	23d/9 Apr 88	53.8 g	2 May 88
812F1	43233	24d/8 Apr 88	58.2 g	2 May 88
826F2	43571	23d/17 Apr 88	46.3 g	10 May 88
826F3	43572	23d/17 Apr 88	42.7 g	10 May 88
826F4	43573	23d/17 Apr 88	48.6 g	10 May 88
826F8	43574	23d/17 Apr 88	$52.1\mathrm{g}$	10 May 88
836F1	43247	24d/8 Apr 88	68.2 g	2 May 88
836F3	43248	24d/8 Apr 88	62.3 g	2 May 88
836F4	43249	24d/8 Apr 88	62.6 g	2 May 88
846F3	43255	24d/8 Apr 88	57.4 g	2 May 88
846F4	43256	24d/8 Apr 88	59.3 g	2 May 88
846F8	43257	24d/8 Apr 88	57.6 g	2 May 88
882F1	43372	22d/11 Apr 88	45.8 g	3 May 88
882F2	43373	22d/11 Apr 88	45.6 g	3 May 88
882F4	43374	22d/11 Apr 88	46.3 g	3 May 88
882F5	43375	22d/11 Apr 88	46.2 g	3 May 88
890F1	43379	22d/11 Apr 88	61.1 g	3 May 88
890F4	43380	22d/11 Apr 88	57.1 g	3 May 88
890F6	43381	22d/11 Apr 88	60.1 g	3 May 88
906F2	43390	22d/11 Apr 88	49.6 g	3 May 88
906F6	43391	22d/11 Apr 88	49.4 g	3 May 88
906F7	43392	22d/11 Apr 88	51.8 g	3 May 88
906F8	43393	22d/11 Apr 88	46.3 g	3 May 88
910F1	. 43663	22d/28 Apr 88	45.9 g	20 May 88
910F2	43664	22d/28 Apr 88	38.7 g	20 May 88
910F4	43665	22d/28 Apr 88	42.2 g	20 May 88
910F5	43666	22d/28 Apr 88	42.3 g	20 May 88
918F1	43439	22d/12 Apr 88	56.8 g	4 May 88
918F2	43440	22d/12 Apr 88	55.4 g	4 May 88
918F3	43441	22d/12 Apr 88	59.2 g	4 May 88
918F4	43442	22d/12 Apr 88	57.4 g	4 May 88

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Appendix O (Cont.): PATHOLOGY

Animal ID No.	Path Acc. No.	Age/DOB	Wt	Necropsy Date
87D0920F1 920F6 930F1 944F1 944F2 944F3 944F4 968F1 968F4 968F6 968F8	43564 43565 43671 43554 43555 43556 43557 43685 43686 43687 43688	23d/16 Apr 88 23d/16 Apr 88 23d/30 Apr 88 24d/15 Apr 88 24d/15 Apr 88 24d/15 Apr 88 24d/15 Apr 88 22d/1 May 88 22d/1 May 88 22d/1 May 88 22d/1 May 88 22d/1 May 88	57.0 g 68.2 g 60.5 g 57.5 g 48.8 g 49.2 g 48.2 g 53.3 g 53.7 g 47.7 g 55.1 g	9 May 88 9 May 88 23 May 88 9 May 88 9 May 88 9 May 88 23 May 88 23 May 88 23 May 88 23 May 88
	${ m F_2}$ Do	ose Group 4 - Fem	ales	
87D0816F1 816F2 816F3 816F4 820F1 820F2 824F1 824F2 824F3 824F4 834F1 834F2 834F3 852F2 852F4 852F6 852F10 856F1 856F2 856F3 868F1 874F2 874F3 874F4	43207 43208 43209 43210 43537 43538 43423 43424 43425 43426 43219 43220 43221 43261 43262 43263 43264 43279 43280 43281 43433 43593 43594 43595 43596	22d/7 Apr. 88 22d/7 Apr 88 22d/7 Apr 88 22d/7 Apr 88 22d/15 Apr 88 22d/12 Apr 88 22d/7 Apr 88 22d/7 Apr 88 22d/7 Apr 88 24d/8 Apr 88 22d/12 Apr 88 22d/12 Apr 88 22d/24 Apr 88 22d/24 Apr 88 22d/24 Apr 88	50.5 g g g g g g g g g g g g g g g g g g g	29 Apr 88 29 Apr 88 29 Apr 88 29 Apr 88 9 May 88 9 May 88 4 May 88 4 May 88 4 May 88 29 Apr 88 2 May 88 1 May 88
		22d/24 Apr 88 22d/24 Apr 88 23d/10 Apr 88 23d/10 Apr 88 23d/10 Apr 88	50.6 g 49.8 g 53.8 g 53.0 g 55.8 g	16 May 88 16 May 88 3 May 88 3 May 88 3 May 88

000000000000000000000000000000000000000	53.9 g	1.
87D0884F5 43353 23d/10 Apr 88	เอล.พ.ษ	3 May 88
894F1 43579 22d/18 Apr 88	46.6 g	10 May 88
894F2 43580 22d/18 Apr 88	40.2 g	10 May 88
894F5 43581 22d/18 Apr 88	43.9 g	10 May 88
894F6 43582 22d/18 Apr 88	46.4 g	10 May 88
898F1 43357 23d/10 Apr 88	59.6 g	3 May 88
898F2 43358 23d/10 Apr 88	65.9 g	3 May 88
898F3 43359 23d/10 Apr 88	59.0 g	3 May 88
934F1 43647 22d/27 Apr 88	44.1 g	19 May 88
934F2 43648 22d/27 Apr 88	46.2 g	19 May 88
934F3 43649 22d/27 Apr 88	42.6 g	19 May 88
934F4 43650 22d/27 Apr 88	43.8 g	19 May 88
1000 22421 1191 00	10.06	10 1/144 00
F ₂ Dose Group 1 -Mal	les	
87D0814M1 43235 24d/8 Apr. 88	53.1 g	2 May 88
814M2 43236 24d/8 Apr 88	55.7 g	2 May 88
814M3 43237 24d/8 Apr 88	64.6 g	2 May 88
814M4 43238 24d/8 Apr 88	57.5 g	2 May 88
830M1 43607 22d/25 Åpr 88	45.3 g	17 May 88
830M2 43608 22d/25 Apr 88	35.0 g	17 May 88
830M5 43609 22d/25 Apr 88	40.3 g	17 May 88
830M6 43610 22d/25 Apr 88	49.3 g	17 May 88
848M1 43291 23d/9 Apr 88	55.8 g	2 May 88
848M2 43292 23d/9 Apr 88	47.6 g	2 May 88
848M4 43293 23d/9 Apr 88	56.2 g	2 May 88
848M5 43294 23d/9 Apr 88	54.4 g	2 May 88
858M2 43315 23d/10 Âpr 88	58.6 g	3 May 88
858M5 43316 23d/10 Apr 88	61.8 g	3 May 88
858M6 43317 23d/10 Apr 88	59.9 g	3 May 88
862M2 43322 23d/10 Apr 88	63.7 g	3 May 88
862M3 43323 23d/10 Apr 88	57.0 g	3 May 88
862M4 43324 23d/10 Apr 88	53.2 g	3 May 88
862M6 43325 23d/10 Apr 88	57.2 g	3 May 88
872M1 43338 23d/10 Apr 88	60.5 g	3 May 88
872M2 43339 23d/10 Apr 88	67.4 g	3 May 88
872M3 43340 23d/10 Apr 88	62.3 g	3 May 88
876M2 43361 22d/11 Apr 88	55.3 g	3 May 88
876M3 43362 22d/11 Apr 88	46.8 g	3 May 88
876M4 43363 22d/11 Apr 88	52.1 g	3 May 88
878M1 43491 22d/14 Apr 88	54.8 g	6 May 88
878M2 43492 22d/14 Apr 88	56.2 g	6 May 88
878M3 43493 22d/14 Apr 88	53.4 g	6 May 88
878M4 43494 22d/14 Apr 88	58.7 g	6 May 88

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0922M2	43617	22d/26 Apr 88	52.8 g	18 May 88
922M3	43618	22d/26 Apr 88	52.6 g	18 May 88
922M4	43619	22d/26 Apr 88	51.0 g	18 May 88 .
940M2	43444	22d/12 Apr 88	37.3 g	4 May 88
940M3	43445	22d/12 Apr 88	36.3 g	4 May 88
940M6	43446	22d/12 Apr 88	34.1 g	4 May 88
940M7	43447	22d/12 Apr 88	39.3 g	4 May 88
940M8	43448	22d/12 Apr 88	42.9 g	4 May 88
952M2	43673	22d/1 May 88	60.8 g	23 May 88
952M4	43674	22d/1 May 88	60.8 g	23 May 8
952M5	43675	22d/1 May 88	63.9 g	23 May 88
956M1	43514	22d/14 Apr 88	50.0 g	6 May 88
956M2	43515	22d/14 Apr 88	51.1 g	6 May 88
956M4	43516	22d/14 Apr 88	52.9 g	6 May 88
956M5 972M1	43517 43527	22d/14 Apr 88	49.6 g	6 May 88
972M2	43528	22d/14 Apr 88 22d/14 Apr 88	56.3 g 58.3 g	6 May 88 6 May 88
972M3	43529	22d/14 Apr 88	42.8 g	6 May 88
972M4	43530	22d/14 Apr 88	34.9 g	6 May 88
0770000161		Dose Group 2 - Ma		1 43600
87D0808M1	43410	22d/12 Apr 88	37.5 g	4 May 88
808M3 808M5	43411 43412	22d/12 Apr 88 22d/12 Apr 88	34.8 g	4 May 88
808M7	43413	22d/12 Apr 88	42.5 g 37.0 g	4 May 88 4 May 88
844M1	43628	22d/27 Apr 88	38.4 g	19 May 88
844M3	43629	22d/27 Apr 88	43.4 g	19 May 88
844M4	43630	22d/27 Apr 88	45.4 g	19 May 88
844M6	43631	22d/27Apr 88	36.0 g	19 May 88
854M3	43266	24d/8 Apr 88	63.2 g	2 May 88
854M5	43267	24d/8 Apr 88	69.7 g	2 May 88
854M6	43268	24d/8 Apr 88	69.1 g	2 May 88
864M1	43428	22d/12 Apr 88	60.4 g	4 May 88
864M2	43429	22d/12 Apr 88	63.4 g	4 May 88
866M2	43331	23d/10 Apr 88	62.8 g	3 May 88
866M4	43332	23d/10 Apr 88	54.1 g	3 May 88
866M6	43333	23d/10 Apr 88	55.1 g	3 May 88
886M1 886M2	43598 43599	22d/24 Apr 88 22d/24 Apr 88	52.3 g	16 May 88 16 May 88
886M5	43600	22d/24 Apr 88	52.6 g 59.6 g	16 May 88
886M6	43601	22d/24 Apr 88	56.3 g	16 May 88
892M1	43500	22d/14 Apr 88	56.0 g	6 May 88
892M2	43501	22d/14 Apr 88	50.8 g	6 May 88
892M3	43502	22d/14 Apr 88	55.5 g	6 May 88

Appendix O (Cont.):

4 4 77037	70 /F A 37	A 1000	****	N D.4.
Animal ID No.	Path Acc. No.	Age/DOB	Wt	Necropsy Date
87D0902M1	43383	22d/11 Apr 88	44.3 g	3 May 88
904M1	43507	22d/14 Apr 88	51.3 g	6 May 88
904M2	43508	22d/14 Apr 88	48.7 g	6 May 88
904M3	43509	22d/14 Apr 88	56.3 g	6 May 88
904M5	43510	22d/14 Apr 88	50.5 g	6 May 88
908M2	43395	22d/11 Apr 88	47.3 g	3 May 88
908M3	43396	22d/11 Apr 88	46.6 g	3 May 88
908M4	43397	22d/11 Apr 88	46.9 g	3 May 88
908M7	43398	22d/11 Apr 88	49.4 g	3 May 88
914M1	43635	22d/27 Apr 88	38.8 g	19 May 88
914M2	43636	22d/27 Apr 88	38.6 g	19 May 88
914M5	43637	22d/27 Apr 88	38.4 g	19 May 88
914M6	43638	22d/27 Apr 88	39.3 g	19 May 88
926M1	43403	22d/11 Apr 88	51.3 g	3 May 88
926M3	43404	22d/11 Apr 88	53.6 g	3 May 88
928M1	43540	24d/15 Apr 88	58.3 g	9 May 88
928M2	43542	24d/15 Apr 88	58.5 g	9 May 88
928M3	43543	24d/15 Apr 88	61.8 g	9 May 88
928M4	43544	24d/15 Apr 88	58.6 g	9 May 88
942M1	43453	22d/12 Apr 88	46.2 g	4 May 88
942M2	43454	22d/12 Apr 88	42.2 g	4 May 88
942M5	43455	22d/12 Apr 88	45.7 g	4 May 88
942M6	43456	22d/12 Apr 88	44.3 g	4 May 88
948M2	43466	22d/13 Apr 88	53.9 g	5 May 88
948M1	43465	22d/13 Apr 88	51.2 g	5 May 88
948M5	43467	22d/13 Apr 88	56.4 g	5 May 88
948M6	43468	22d/13 Apr 88	55.7 g	5 May 88
960M1	43474	22d/13 Apr 88	48.8 g	5 May 88
960M3	43475	22d/13 Apr 88	49.1 g	5 May 88
960M5	43476	22d/13 Apr 88	49.7 g	5 May 88
960M7	43477	22d/13 Apr 88	49.8 g	5 May 88
964M1	43483	22d/13 Apr 88	47.8 g	5 May 88
964M3	43484	22d/13 Apr 88	53.0 g	5 May 88
	F ₂ I	Dose Group 3 - Ma	les	•
87D0804M1	. 43283	23d/9 Apr 88	58.0 g	2 May 88
804M2	43284	23d/9 Apr 88	63.9 g	2 May 88
804M4	43285	23d/9 Apr 88	60.9 g	2 May 88
804M5	43286	23d/9 Apr 88	67.8 g	2 May 88
812M1	43231	24d/8 Apr 88	60.3 g	2 May 88
	43232			2 May 88
812M2 826M2	43568	24d/8 Apr 88	54.2 g	10 May 88
0401114	40000	23d/17 Apr 88	60.2 g	10 May 00

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0826M5	43569	23d/17 Apr 88	48.2 g	10 May 88
826M6	43570	23d/17 Apr 88	60.7 g	10 May 88
836M2	43244	24d/8 Apr 88	68.0 g	2 May 88
836M5	43245	24d/8 Apr 88	61.6 g	2 May 88
836M6	43246	24d/8 Apr 88	72.6 g	2 May 88
840M5	43587	23d/23 Apr 88	42.2 g	16 May 88
846M1	43251	24d/8 Apr 88	63.4 g	2 May 88
846M2	43252	24d/8 Apr 88	57.1 g	2 May 88
846M3	43253	24d/8 Apr 88	61.9 g	2 May 88
846M4	43254	24d/8 Apr 88	58.6 g	2 May 88
882M1	43368	22d/11 Apr 88	48.1 g	3 May 88
882M2	43369	22d/11 Apr 88	45.6 g	3 May 88
882M3	43370	22d/11 Apr 88	44.4 g	3 May 88
882M4	43371	22d/11 Apr 88	44.8 g	3 May 88
890M1	43377	22d/11 Apr 88	60.2 g	3 May 88
890M5	43378	22d/11 Apr 88	60.2 g	3 May 88
906M1	1	· -	52.2 g	3 May 88
906M3	43386	22d/11 Apr 88		, — — — — — — — — — — — — — — — — — — —
906M5	43387	22d/11 Apr 88	52.7 g	3 May 88
906M4	43389	22d/11 Apr 88	51.9 g	3 May 88 3 May 88
910M1	43388	22d/11 Apr 88	56.0 g	
910M3	43659	22d/28 Apr 88	41.7 g	20 May 88 20 May 88
	43660	22d/28 Apr 88	41.3 g	
910M5	43661	22d/28 Apr 88	42.6 g	20 May 88
910M7	43662	22d/28 Apr 88	45.0 g	20 May 88
918M1	43436	22d/12 Apr 88	61.3 g	4 May 88
918M2	43437	22d/12 Apr 88	60.6 g	4 May 88
91.8M3	43438	22d/12 Apr 88	60.1 g	4 May 88
920M6	43563	23d/16 Apr 88	67.7 g	9 May 88
930M2	43669	23d/30 Apr 88	61.3 g	23 May 88
930M5	43670	23d/30 Apr 88	59.6 g	23 May 88
944M1	43550	24d/15 Apr 88	57.0 g	9 May 88
944M2	43551	24d/15 Apr 88	54.8 g	9 May 88
944M5	43552	24d/15 Apr 88	59.6 g	9 May 88
944M6	43553	24d/15 Apr 88	57.5 g	9 May 88
966M6	43522	22d/14 Apr 88	27.3 g	6 May 88
968M1	43681	22d/1 May 88	52.3 g	23 May 88
968M2	43682	22d/1 May 88	48.2 g	23 May 88
968M5	43683	22d/1 May 88	53.9 g	23 May 88
968M6	43684	22d/1 May 88	53.9 g	23 May 88
	F_2 I	Dose Group 4 - Ma	iles	
87D0816M2	43205	22d/7 Apr 88	56.5 g	29 Apr 88
816M4	43206	22d/7 Apr 88	35.2 g	29 Apr 88
820M1	43536	24d/15 Apr 88	63.8 g	9 May 88
824M1	43419	22d/12 Apr 88		4 May 88
OZHIII	1 30,172	1 22012 Apr 00	48.4 g	1 Amay 00

Animal ID No.	Path Acc. No.	Age/DOB	Wt	Necropsy Date
87D0824M2	43420	22d/12 Apr 88	48.7 g	4 May 88
824M4	43421	22d/12 Apr 88	31.8 g	4 May 88
824M5	43422	22d/12 Apr 88	47.6 g	4 May 88
834M1	43214	22d/7 Apr 88	53.4 g	29 Apr 88
834M2	43215	22d/7 Apr 88	53.7 g	29 Apr 88
834M3	43216	22d/7 Apr 88	51.4 g	29 Apr 88
834M4	43217	22d/7 Apr 88	52.9 g	29 Apr 88
834M5	43218	22d/7 Apr 88	52.6 g	29 Apr 88
852M1	43259	24d/8 Apr 88	44.7 g	2 May 88
852M3	43260	24d/8 Apr 88	57.4 g	2 May 88
856M1	43274	24d/8 Apr 88	49.9 g	2 May 88
856M2	43275	24d/8 Apr 88	57.1 g	2 May 88
856M3	43276	24d/8 Apr 88	52.4 g	2 May 88
856M4	43277	24d/8 Apr 88	46.6 g	2 May 88
856M6	43278	24d/8 Apr 88	56.5 g	2 May 88
874M1	43589	22d/24 Åpr 88	56.3 g	16 May 88
874M2	43590	22d/24 Apr 88	51.0 g	16 May 88
874M4	43591	22d/24 Apr 88	51.0 g	16 May 88
874M5	43592	22d/24 Apr 88	52.5 g	16 May 88
884M1	43346	23d/10 Apr 88	52.7 g	3 May 88
884M3	43347	23d/10 Apr 88	54.5 g	3 May 88
884M5	43348	23d/10 Apr 88	57.3 g	3 May 88
884M7	43349	23d/10 Apr 88	57.4 g	3 May 88
894M1	43576	22d/18 Apr 88	50.4 g	10 May 88
894M2	43577	22d/18 Apr 88	39.1 g	10 May 88
894M3	43578	22d/18 Apr 88	37.7 g	10 May 88
898M3	43355	23d/10 Apr 88	67.8 g	3 May 88
898 M 4	43356	23d/10 Apr 88	66.3 g	May 88
934M1	43643	22d/27 Apr 88	47.5 g	.3 May 88
934M2	: 43644	22d/27 Apr 88	48.8 g	19 May 88
934M5	43645	22d/27 Apr 88	46.1g	19 May 88
934M6	43646	22d/27 Apr 88	46.3 g	19 May 88
976M3	43559	24d/15 Apr 88	77.4 g	9 May 88
976M6	43560	24d/15 Apr 88	73.2 g	9 May 88
976M8	43561	24d/15 Apr 88	79.0 g	9 May 88
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LETTERMAN ARMY IS DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Indiv	Individual Animal Data Dump Table Study Number: 87012F	able	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 1
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	FRANCISCU, CA 94129 Ey	St	Study Start Date: 21-Jul-87	25		TERATOLOGY/
	Sex: Female Status: NORHAL,	EUTHANIZED	Group: 1	Dose level: Control Terminal body weight (kms): 0.26	: Control	
	< <pre>cerity</pre>	8 8 0 L U	Observations >>> Gross Free-Text Comments			
UTERUS	WHITE SPOTS	0 0 1 1 1 1 1 1 1 1 1	M	: : : :		
Tissue	Necropsy memos	× × × × × × × × × × × × × × × × × × ×	X C C C C C C C C C C C C C C C C C C C	^		8 8 9 8 1 1 1
UTERUS	SPERN POSITIVE 28 DAYS BEFO	RE SACRIFICE.	'NO LITTER DELIVERED.			
Tissue	Xistopathologic diagnoses /	stholog Special histo	athology observations >> Special histological comments	A		

DIV OF RES SUPP, I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individual	Individual Animal Data Dump Table Study Number: 87012F	ole.	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 2
RAT/SPRAGUE-DAULEY	KANCISCO, CA 34129 Y			Study Start Date: 21-Jul-87		•-	FERATOLOGY/
Animal: 87000421 Day of death: 135	00421	Sex: Female Status: NORMAL,	EUTHANIZED	#	Dose level: Co Terminal body weight (kms):	Dose level: Control	0 0 0 0 0 0 0 0
Tissue	Finding, severity	¥	8 8 0 1 5	O b s e r v a t i o n s >> Gross Free-Text Comments	s >>		
WHOLE BODY	NO LESIONS RECOGNIZED	ED		0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		6 6 6 6 6 6 6 6 7	6 6 6 6 6 6 8
UTERUS	INVOLUTION SITES			=======================================			
Tissue	Mecropsy memos		> a d →	Y X 6 3 0 8 V			41
No necropsy memos	No necropsy memos recorded on animal						
Tissue	<pre>Aistopathologic diagnoses</pre>	_ •	Special histological	athology Observations/Special histological comments	^^ %		
UTERUS	PIGHENT IN MACROPHAGES, SLINFLANMATION, LYMPHOCYTIC,	GES, SLI OCYTIC,	ight, Focal. Slight, Focal.		ght, Focel. Slight, Focel.		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDED OF SAN ERANGES OF 02430	KSTITUTE OF R PATH SERV GP	ESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012f	PRINTED: 13-Feb-90 Page: 3
RAT/SPRAGUE-DANLEY	EY	74 127	St	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000425 Day of death: 122	D00425 2	87D00425 Sex: Female 122 Status: NORHAL, EUTHANIZED	EUTHANIZED	: : :	Dose level: Control Terminal body weight (kms): 0.29
	Finding, severity	< <p>verity</p>	\$ \$ 0 L D \$	Observations >> Gross Free-Text Comments	
WHOLE BODY	_	NO LESIONS RECOGNIZED	1	9 9 5 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
UTERUS	INVOLUTION SITES	SITES		7	
Tissue Necropsy memos	Necropsy memos	SOS.	× × × × × × × × × × × × × × × × × × ×	X	
Tissue Histopathologic dia	Mistopathol	ogic diagnoses /	special histo	Aistopathologic diagnoses / Special histological comments	*

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LETTERMAN ARMY DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO CA 02120	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012F
RAT/SPRAGUE-DAWLEY	12' L' V' 12' L'	Study Start Date: 21-Jul-87
Animal: 87000430 Day of death: 119	00430	Group: 1 Terminal body Weight (kms): 0.27
Tissue	Finding, severity	<pre><< Gross Free-Text Comments</pre>
WHOLE BODY	NO LESIONS RECOGNIZED	# 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	9
Tissue No necropsy memo	Tissue Necropsy memos	<< Recropsy Regos >>
Tissue PITUITARY GLAND	Mistopathologic diagnoses	Pathology Observations >> es/Special histological comments ND INTERMEDIA PRESENT RECUT DONE

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Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY IKSTITUTE OF RESEARCI DIV OF RES SUPP, PATH SERV GP	LETTERMAN ARMY IKSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	RCH.	Indiv	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 13-Feb-90 Page: 5
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	RANCISCO, CA 9412 T	62		Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 87000431 Day of death: 122	00431	Sex: Female Status: NORMAL,	!	Group: 1 Terminal	rminal body we	
Tissue	/ssue Finding, severity	* t <u>.</u>	d 0 8 8 0 6 B	S		
WHOLE BODY	NO LESIONS RECOGNIZED	GNIZED				
UTERUS	INVOLUTION SITES	6		·		
Tissue	Necropsy memos			SOE UX YS GO	*	
No necropsy memos	No necropsy memos recorded on animal	na l		0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 &		

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Alstopathologic diagnoses / Special histological comments
PIGMENT IN MACROPHAGES, Mild, Multifocal.

Tissue

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Appendix

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LETTERMAN ARMY INS	LETTERMAN ARMY INSTITUTE OF RESEARCH		Individual	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-rep-vo Page: 6
DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA	DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129		study St	Study Start Date: 21-Jul-87	TERATOLOGY
RAI/SPRAGUE-DAWLET Animal: 87000437	00437 Seatus: NORMAL,	Sex: Female Status: NORMAL,		Group: 1 Terminal	Dose level: Control Terminal body Weight (kms): 0.31
		¥	O	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	E	1 1 1 1		
UTERUS	INVOLUTION SITES			1	
Tissue	Zecropsy memos		× × • • • • • × ×	, o e	
No necropsy memos recorded	No necropsy memos recorded on animal			•	
Tissue	<pre>/< P Histopathologic diagnoses /</pre>	<< P	a t h Spec	athology Observations // Special histological comments	
All protocol requ	All protocol required tissues normal.				

Tissue Histopathologic diagnoses / Sp

Appendix O (Cont.): PATHOLOGY

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DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	ARCH	ř.	Study Number: 87012F	Jable:	PRINTED:	PRINTED: 13-Feb-90 Page: 7
PRESIDIO OF SAN F RAT/SPRAGUE-DAWLE	RANCISCO, CA 94	6ZL:		Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87D00440 Sex: Female Day of death: 98 Status: NORMAL	100440 St	Sex: Female Status: NORMAL,	, EUTHANIZED	;	Dose level: Control Terminal body weight (kms): 0.31	Oose level: Control ight (kms): 0.31	
Tissue Finding, severity	Finding, severity	ity	8 8 0 F G	:	8		
urerus	WHITE SPOTS			2	•		
	Necropsy memos			80E9X	*		
UTERUS	SPERM POSITIVE 24 DAYS BEF	24 DAYS B	EFORE SACRIFICE	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED.			

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LETTERMAN ARMY I DIV OF RES SUPP, PRESIDIO OF SAN	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM FRANCISCO. CA 04120	Jnd ,	Individual Animal Data Dump Table Study Number: 87012F	Dump Table 1012F	PRINTED: 13-Feb-90 Page: 8
RAT/SPRAGUE-DAWLEY	EY		Study Start Date: 21-Jul-87	I-Jul-87	TERATOLOGY/
Animal: 87000442 Day of death: 122	00442 Sta	Sex: Female tus: NORMAL, EUTHANIZED	Group: 1	body we	Dose [evel: Control ight (kms): 0.31
. Tissue	Finding, severity		s Q	Observations >> Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	NO LESIONS RECOGNIZED	9 9 8 9 9 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	2 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES		13		
Tissue	Necropsy memos	2		A	
No necropsy memor	No necropsy memos recorded on animal			6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4
Tissue	Histopathologic di	_ `	athology Observations Special histological comments	ations >>	
All protocol requ	red tissues normal	9 a 9 a 9 a 9 a 9 a 9 a 9 a 9 a 9 a 9 a	# 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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LETTERMAN ARMY INSTITUTE OF REDIV OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Vibul	Individual Animal Data Dump Table Study Number: 87012F	Table.	PRINTED: 13-Feb-90 Page: 9
RAT/SPRAGUE-DAWLEY	EY CANCINCO, CA 74127		St	Study Start Date: 21-Jul-87	87	TERATOLOGY/
Animal: 87000445 Day of death: 122	00445	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 1	Group: 1 Dose level: Control Terminal body weight (kms): 0.28	: Control : 0.28
	issue Finding, severity	*	6 7 0 8 8	Observations >>> Gross Free-Text Comments	Gross Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
UTERUS	INVOLUTION SITES			13		

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Necrops Y

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Necropsy memos recorded on animal

Tissue

Tissue

A Pathology Observation Histopathologic diagnoses / Special histological comments PITUITARY GLAND

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY IKSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	,	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 10
RAT/SPRAGUE-DAWLEY	AT/SPRAGUE-DAULEY		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000466 Day of death: 137	00446	Sex: Female Status: NORMAL, EUTHANIZED	Group: 1 Terminal body weight (kms): 0.36	
T issue	Finding, severity		Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	XI ZED	4 4 4 5 5 5 5 5 5 5 6 6 6 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	\$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES		13	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Recropsy memos	¥ ;	Necropsy Memos >>	
Tissue Tissue	Tissue Mistopathologic diagnoses	<< p	athology Observations >> Special histological comments	
PITUITARY GLAND	/ONLY PARTES DISTALIS AND	: -	T DONE	9 9 8 8 8 9 9 6 8 8 8 9 9 6 8 8 8 9 9 8 8 8 9 9 8 8 8 9 9 8 8 9 9 9 8 8 9 9 9 9 8 8 9

PIGMENT IN MACROPHAGES, Mild, Multifocal.

UTERUS

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LETTERMAN ARMY 14STITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV G	RESEARCH	Indi	Individual Animal Data Dump Table Study Number: 87012F	mp Table 2f	PRINTED Page	PRINTED: 13-Feb-90 Page: 11
RAT/SPRAGUE-DAWLEY	יא אורו פרט, ר	V 74169	S	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000447 Sex: Female Day of death: 123 Status: NORMAL	100447	Sex: Status:	EUTHANIZED	•	Terminal body	Dose level: Control Terminal body weight (kms): 0.30	0 0 0 0 0 0 0 0 0
Tissue Finding, severity WHOLE RODY NO LESIONS RECOGNIZED	Finding, severity NO LESIONS RECOGNI	Finding, severity NO LESIONS RECOGNIZED	Ω 	O b s e r v a t i o n s v v gross Free-Text Comment	Gross Free-Text Comments	Observations >> Gross Free-Text Comments	
UTERUS	INVOLUTION SITES	4 SITES		10			
Tissue Necropsy memos	Necropsy memos	Necropsy memos		Y W O C C C C C C C C C C C C C C C C C C	A	>> X G D D N Y T & B D N V V	

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A Pathology Observations

Nistopathologic diagnoses / Special histological comments

PIGMENT IN MACROPHAGES, Slight, Multifocal.

Tfssue

VAGINA

Required protocol tissue is missing.

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LETTERMAN ARMY IKSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	F RESEARCH GP		Indi	Individual Animal Data Dump Table Study Number: 87012F	ump Table 12F	PRINTED Page	PRINTED: 13-Feb-90 Page: 12
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	KANCISCO,	CA 94129		S	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000460 Day of death: 98	00460	:	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group:	roup: 1 Terminal body weight (kms): 0.35	Dose level: Control ight (kms): 0.35	
	Finding,	Finding, severity	*	8 8 0 1 9	Observations >>> Gross Free-Text Comment:			
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	ED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue		Henos.		× × × • ° ·	X O C C C C C C C C C C C C C C C C C C	۸ ۸		
No necropsy memos recorded on animal	recorded	recorded on animal	• • • • •	7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8				
Tissue	Histopat	hologic dia	<< P	atholog Special hist	An athology of the logy of the lons of the long of	tions >>		
All protocol required tissues normal.	ired tiss	red tissues normal.			0	005500000000000000000000000000000000000	000000000000000000000000000000000000000	

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LETTERMAN ARMY FN. DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 13
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	RANCISCO, CA 94129 Y	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000461 Day of death: 123	00461 Status: N	Group: 1 Terminal body weight (kms):	introl 0.33
! ! !	Finding, severity	м д О	
WHOLE BODY	NO LESIONS RECOGNIZED		
UTERUS	INVOLUTION SITES	13	
Tissue	Necropsy memos		
No necropsy memos	No necropsy memos recorded on animal		
Tissue		sthology Observ/Special histological comments	
PITUITARY GLAND	JONLY PARTES DISTALIS AND I	INTERMEDIA PRESENT RECUT DONE	
UTERUS	PIGHENT IN MACROPHAGES, HIL	ld, Multifocal.	
VAGINA	Required protocol tissue is	's missing.	

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LETTERMAN ARMY 1% DIV OF RES SUPP,	LETTERMAN ARMY LASTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DESCINIO OF SAN EDANCISCO CA 02430	Individual Stu	Individual Animal Data Dump Table Study Number: 87012F	Dump Table 012F	PRINTED: 13-Feb-90 Page: 14
RAT/SPRAGUE-DAVLEY	EY	Study S	Study Start Date: 21-Jul-87	-Jul-87	TERATOLOGY/
Animal: 87000465 Day of death: 98	000465 Sta	Sex: Female tus: NORHAL, EUTHANIZED	Group: 1	Dose (evel: Control Terminal body weight (kms): 0.29	ontrol 0.29
Tissue	Finding, severity	0 8 0 6 9 >>	bservat Gross Free	Observations >> Gross Free-Text Comments	
UTERUS	UNILATERAL APLASIA	6 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	UNICORNATE UTERUS	UTERUS	
Tissue	Necropsy memos	>>	X X X	^^ vs	
	ONLY LEFT SIDE OF UT	ONLY LEFT SIDE OF UTERUS IS PRESENT. O INVOLUTION SITES.	ITION SITES.		
Tissue	<pre></pre>	<pre><< Pathology 0bservations noses/Special histological comments</pre>	Observal comments	19 tions >>	
OVARIES	Required protocol tissue is missing.	ssue is missing. CK, RECUT DONE			
URINARY BLADDER	Miscellaneous. Inflammation, LYMPHOCYTIC,	CYTIC, Slight, Focal.			

LETTERMAN ARMY 19 DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 15
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	FRANCISCO, CA 94129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000470 Day of death: 98	Status: NORMAL	Group: 1 Terminal body we	ontrol 0.30
Tissue	¥	ions >> Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED		
		cropsy Memos >>	
UTERUS	SPERM POSITIVE 27 DAYS BEFOR	FORE SACRIFICE. "NO LITTER DELIVERED.	
Tissue PITUITARY GLAND	Histopathologic diagnoses /	Pathology Observations >> / Special histological comments NT RECUT DONE	

DIV OF RES SUPP,	LETTERHAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 16
RAT/SPRAGUE-DAWLEY	, , , , , , , , , , , , , , , , , , ,			Study Start Date: 21-Jul-87	87	!	TERATOLOGY/
Animal: 87000472 Day of death: 123	00472 Sta	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 1	Dose level: Control Terminal body weight (kms): 0.32	Control 0.32	
Tissue	1	ty <<	8 8 0 1 5	Observations >>> Gross Free-Text Comments	n s >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	ZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1	6 6 8 8 9
UTERUS	INVOLUTION SITES			15			
Tissue	Necropsy memos		>	NOEUX YNC.	^		
No necropsy memos	No necropsy memos recorded on animal						
Tissue	<pre>/</pre>	<< P i	atholog Special histo	sthology Observations Special histological comments	۸۸ % ت ٥	0 0 0 0 0 0	0 0 0 0 0
OVARIES		ol. ight, Foc	ıt.				
VAGINA	Required protocol tissue is missing.	issue is	missing.				

LETTERMAN ARMY IN	LETTERMAN ARMY INSTITUTE OF RESEARCH		Individual Animal Data Dump Table	Dump Table	PRINTED: 13-Feb-90 Page: 17	-Feb-90
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAULEY	PAT/SPRAGUE-DAULEY		Study Start Date: 21-Jul-87	-jul-87	TERA	TERATOLOGY/
Animal: 87000479 Day of death: 128	00479 Sta	Female NORMAL,	Group: 1	Dose level: Control Terminal body weight (kms): 0.29	el: Control s): 0.29	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tissue WHOLE BODY	Finding, severity NO LESIONS RECOGNIZED	*	Gross Observations >>> Gross Free-Text Comments	i o n s >> -Text Comments		
UTERUS	INVOLUTION SITES		13			
Tissue	Necropsy memos		NOE 9 X Y NO. C	Å		
No necropsy memos	-					
Tissue	Nistopathologic diagnoses	<pre><< P a t gnoses / Spe</pre>	/ Special histological comments	9 t o vv		•
PITUITARY GLAND	JONLY PARTES DISTALIS AND		INTERMEDIA PRESENT RECUT DONE			
UTERUS	PIGMENT IN MACROPHAGES, Slight, Multifocal.	GES, Sligh	ht, Hultifocal.			
VAGINA	Required protocol tissue	****	s gissing.			
URINARY BLADDER	Miscellaneous. INFLAMMATION, LYMPHOCYTIC,		Slight, Focal.			

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DIV OF RES SUPP.	LETTERHAN ARNY 12STITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP	RCH	Indi	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: Page:	PRINTED: 13-Feb-90 Page: 18
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	FRANCISCO, CA 941 EY	62	σ	Study Start Date: 21-Jul-87		F	TERATOLOGY/
Animal: 8700484 Day of death: 128	00484	Sex: Female Status: NORHAL, EUTHANIZED	EUTHANIZED	Group: 1	Dose level: Control Terminal body weight (kms): 0.27	ontrol 0.27	: : : : :
•	Finding, severity	ty *	8 8 0 1 9	O b s e r v a t i o n s >> Gross Free-Text Comments	s >> Comments	P 3 4 6 5 9	0 6 8 8 8 8 8 8 8
WHOLE BODY	NO LESIONS RECOGNIZED	IGNIZED	* * * * * * * * * * * * * * * * * * *	- a a a a a a a a a a a a a a a a a a a	- 2 0 5 4 4 5 4 4 5 5 6 8 4 5 5 5 4 5 5 5 6 8 4 5 5 5 5 6 8 4 5 5 5 6 8 4 5 5 6 8 4 5 6 8 5 6 5 6	* * * * * * * * * * * * *	1 1 4 4 4 6 8 1
UTERUS	INVOLUTION SITES	Ø		15			
1 is successive to the success	Necropsy memos		X X X X X X X X X X X X X X X X X X X	X G C L L L L L L L L L L L L L L L L L L			0 0 0 1 0 0 0
Tissue	Tissue Histopathologic di	mar << P diagnoses/	atholog Special hist	recolded on animal of pathology 0 bservations Histopathologic diagnoses / Special histological comments	٠ «		
All protocol requi		3al.					; ; ; ; ;

PATHOLOGY o (Cont.): Appendix

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LETTERMAN ARMY INSTITUTE OF RID ON OF RES SUPP, PATH SERV GP	LETTERMAN ARMY PNSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Ē,	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 19
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-dawley		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000496 Day of death: 128	00496 Sta	•	Group: 1 Terminal body weight (kms):	
in an	Finding, severity	8 8 0 1 9 >>	Observations >> Gross free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		
UTERUS	INVOLUTION SITES		7	
Tissue	Necropsy memos	3 * *	Xecrobsy Kenos >>	8 8 8 8 9 9 8 8 9
No necropsy memos	No necropsy memos recorded on animal			
Tissue OVARIES	Aistopathologic diagnoses / CYST(S), Mild, Multifocal.	<pre>c< P a t h o l o noses / Special hi focal.</pre>	sthology Observations >> / Special histological comments	

PIGMENT IN MACROPHAGES, Mild, Multifocal.

Required protocol tissue is missing.

VAGINA UTERUS

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DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Stud	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 20
RAT/SPRAGUE-DAWLEY	TARCISCU, CA Y4129		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000498 Day of death: 128	00498 Status: NORHAL	, EUTHANIZED	Group: 1 Terminal body weight (kms): 0.34	
T ssue	Tissue Finding, severity	8 8 0 L J	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	, c c c c c c c c c c c c c c c c c c c		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES		16	
Tissue	Necropsy memos	Y & Q O L O B X >>	Y	
No necropsy memos	No necropsy memos recorded on snims!	, ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	<pre>// Histopathologic diagnoses</pre>	^	athology Observations >>/	
VAGINA	Required protocol tissue is missing.	•	5	

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PATHOLOGY Appendix 0 (Cont.):

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV GP	ESEARCH	Indi	Individual Animal Data Dump Table Study Number: 87012F	PRI	PRINTED: 13-Feb-90 Page: 21
RAT/SPRAGUE-DAULEY	XANCISCO, CA	44 129	v	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000507 Day of death: 128	00507		EUTHANIZED	Group: 1 Termina	Dose level: Control Terminal body weight (kms): 0.35	rol .35
	Finding, severity	*	8 8 0 1 5	1 VS		8 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
WHOLE BODY	NO LESIONS RECOGNIZED	! !	* * * * * * * * * * * * * * * * * * *	0 7 6 7 5 7 7 6 5 8 8 8 9 7 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8	v 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3
UTERUS	INVOLUTION SITES	sites		Ø		
Tissue	Necropsy memos	808	X >>			
No necropsy memos recorded on animal	recorded on	animal				
Tissue UTERUS	Histopatholo PIGMENT IN M.	Histopathologic diagnoses / Special histologi	Special hist erate, Multif	athology observations >> / Special histological comments derate, Multifocal.	*	0 0 0 0 0 0 0 0 0

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LETTERMAN ARMY IN: DIV OF RES SUPP, I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	_	Inc	dividual Stud	ual Animal Data Dump Study Number: 87012F	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: Page:	PRINTED: 13-Feb-90 Page: 22
PRESIDIO OF SAN FRAI RAT/SPRAGUE-DAULEY	RANCISCO, CA 94129 Y			Study St	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000509 Day of death: 128	00200	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	•	. Group: 1	Terminal	Dose level: Control Terminal body Weight (kms): 0.34	Control 0.34	
1 1 1 • •	Finding, severity	¥	8 8 0 L U	q O	S e r v a Gross Fr	Observations >>> Gross Free-Text Comments	-		
WHOLE BODY	NO LESIONS RECOGNIZED	•	# 4	1 1 1 1 1 1 1	1 1 1 1 1 1	6 3 2 1 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			
UTERUS	INVOLUTION SITES				12				
Tissue	Necropsy memos		U # X V V	X 0 0 0 0 0 X		X		8 9 9 8 9 9	3 5 9 9 9 9 4
No necropsy memos	No necropsy memos recorded on animal								
Tissue	<pre><</pre> <pre>Nistopathologic diagnoses</pre>	**************************************	atholo Special his	g y stologica	Obser Comments	Pathology Observations / Special histological comments	^		
VACTER	Required brotocol tissue is alssing.	tissue is			• • • • • • • • •				

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LETTERMAN ARMY IN: DIV OF RES SUPP, 1	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	*	Individua	Individual Animal Data Dump Table Study Number: 87012F	ble	PRINTED: 13-Feb-90 Page: 23
PRESIDIO OF SAN F RAT/SPRAGUE-DAULE	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/sprague-dauley	•	,	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000512 Day of death: 133	00512	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 1	Dose level: Control Terminal body weight (kms): 0.35	Control 0.35
Tissue	Finding, severity	severity	8 8 0 L 5	t i o r	s >> omments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	41 ZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
UTERUS	INVOLUTION SITES			14		
Tasce	Tissue Necropsy memos	14	x v d d	0 E U	*	
Tissue	Tissue Histopathologic diagnoses / All protocol required tissues normal.	diagnoses /	Special histologi	athology Observations Special histological comments	A	

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	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 24
RAT/SPRAGUE-DAVLEY	(St	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000520 Day of death: 147	00520	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 1 Termi	Dose level: Control Terminal body Weight (kms): 0.33
Tissue	Finding, severity	•	8 O L G	Observations >>> Gross Free-Text Comments	>>> 10000000000000000000000000000000000
TAIL	DIARREA STAINING	•			
UTERUS	INVOLUTION SITES			14	
Tissue	Mecropsy memos		< Necropsy	opsy Hemos >>	
	recorded on animal	- - - - - - - - -	T 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2	
Tissue PITUITARY GLAND	Mistopathologic diagnoses / Special hi	c p gnoses / PRESENT	special histo	Mistopathologic diagnoses / Special histological comments /ONLY PARS DISTALIS PRESENT RECUT DONE	^^
	PIGMENT IN MACROPHAGES, Slight, Multifocal.	SES, SII	ght, Multifoca	ן.	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RESE PATH SERV GP	SARCH	Indi	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 25
RAT/SPRAGUE-DAWLEY	KANCISCO, CA 94	671.	v	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000523 Day of death: 147	30523	ema!	e L, EUTHANIZED	Group: 1 Terminal bo	Dose level: Control Terminal body weight (kms): 0.28
Tissue	Finding, severity	· ·	8 8 0 1 9 9	Observations yy Gross Free-Text Comments	
UTERUS	INVOLUTION SITES	IES		13	
Tissue Necropsy memos	Necropsy memos	issi	X	A SOLO TO SECTION TO S	
Tissue	Histopathologic diagnoses	c diagnoses / Nultifocal.	stholog Special hist	Kistopathologic diagnoses / Special histological comments CYST(S), Mild, Multifocal.	

Miscellaneous. HEMORRHAGE, Mild, Multifocal.

VAGINA

LETTERMAN ARMY 11 DIV OF RES SUPP,	LETTERMAN ARMY LUSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP POFFILLIO OF CAN EDANCISCO CA 0/420	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012F	13-Feb-90 26
RAT/SPRAGUE-DAWLEY	EY	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000525 Day of death: 150	00525	Group: 1	
Tissue	erity	<pre><< Gross free-Text Comments</pre>	
WHOLE BODY	NO LESIONS RECOGNIZED		
UTERUS	INVOLUTION SITES	15	
Tissue	Necropsy memos Liver saved for Histology	<pre><< Necropsy Memos >> if the necropsy Memos >> if the necropsy Memos >> if the necrosion of the necro is the necro is</pre>	
Tyssue	Alstopathologic diagnoses / Special histo	Pathology Observations >> es/Special histological comments Mild, Multifocal.	0 0 0 0 0 0 0
LIVER	Miscellaneous.		

LETTERMAN ARMY II DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indi	Individual Animal Data Dump Table Study Number: 87012F	able	PRINTED: 13-Feb-90 Page: 27
PRESIDIO OF SAN FRAI RAT/SPRAGUE-DAWLEY	FRANCISCO, CA 94129 Et		is .	Study Start Date: 21-Jul-87	4	TERATOLOGY/
Animal: 87000535 Day of death: 122	00535	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 1	body we	Control 0.33
Tissue	Finding, severity	¥	8 8 0 1 5	Observations >> Cross Free-Text Comments	s >> Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	ED	# # * * * * * * * * * * * * * * * * * *			5 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Tissue	Necropsy memos		Y & Q O L O & X	Y		
)	SPERM POSITIVE 2	AYS BEFO	RE SACRIFICE.	ORE SACRIFICE. 'NO LITTER DELIVERED.		
11 sect	A P Tissue Histopathologic diagnoses / P P Tissue Histopathologic diagnoses / P P P P P P P P P P P P P P P P P P		atholog Special hist	athology Observations / Special histological comments	athology Observations >> Special histological comments	
All protecol requ	All protecol required tissues normal.					

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	INSTITUTE OF RE	SEARCH		Indi	Individual Assimal Data Dump Table Study Number: 87012F	Table		PRINTED: Page:	PRINTED: 13-Feb-90 Page: 28
RAT/SPRAGUE-DAWLEY	rkantisto, ta LEY	44 129		σ	Study Start Date: 21-Jul-87	87			TERATOLOGY
Animal: 87000541 Day of death: 115	00541	Sex: Feas	Female Normal,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 1 Terminal	body we	Dose level: Control light (kms): 0.27	Control 0.27	
. Tissue	Tissue Finding, severity	erity	¥	ני	o q	s			
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGNIZED		9 9 9 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9)	5 5 6 6 6 7 8	•	; ; ; ;	• • • • • • • • • • • • • • • • • • •
Tissue	_	% 0				^			
UTERUS	SPERM POSITIVE 28 DAYS	VE 28 DA)	:	RE SACRIFICE.	IEFORE SACRIFICE. NO LITTER DELIVERED.	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ;		
Tissue PITUITARY GLAND	Histopathologic diagnose CYST(S), Mild, Focal.	gic diagr	W 1	special hist	Pathology Observations >> es/Special histological comments	44 s u o			6 8 8 9 8 8

OVARIES CYST(S), Mild, Multifocal.

Miscellaneous.
INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

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LETTERMAN ARMY TN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Indivi	Individual Animal Data Dump Table Study Number: 87012F	ble . PRINTED: 13-Feb-90 Page: 29	06-9
RAT/SPRAGUE-DAWLEY	XXXXXXXX CX 74 [27		Study Start Date: 21-Jul-87	TERATOLOGY/	LOGY/
Animal: 8700542 Day of death: 133	10542 Sta	Sex: Female tus: NORMAL, EUTHANIZED	Group: 1	Dose level: Control Terminal body weight (kms): 0.29	
Tissue Finding, s	Finding, severity	8 8 0 L U >>	Observations >>> Gross Free-Text Comments	s >> omments	
WHOLE BODY	NO LESIONS RECOGNIZED	ED			
UTERUS	INVOLUTION SITES		15		
ense.	Necropsy memos	> % Q Q U W Z	X X X X X X X X X X X X X X X X X X X		•
No necropsy memos	No necropsy memos recorded on animal				
Tissue	Mistopathologic diagnoses ,	Histopathologic diagnoses / Special histologic diagnoses / Special historogic diagnoses / Spe	/ Special histological comments	** ** E	9 9 8

LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF R	ESEARCH		Indi	Individual Animal Data Dump Table Study Number: 87012f	PRINTED: 13-Feb-90 Page: 30	- Feb-90
RAT/SPRAGUE-DAVLEY	KANCISCO, CA	74 129	,		Study Start Date: 21-Jul-87	I	TERATOLOGY/
Aniwal: 87000545 Status: NoRMAL, EUTHANIZED	00545 Status: NORMAI	Status:	S24: Female tus: NORMAL,	Status: WORMAL, EUTHANIZED	•	Dose level: Control body weight (kms): 0.30	6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Finding, severity	verity	¥	N 0 L U	s q	>> nents	
WIOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZ	ED	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	10000000000000000000000000000000000000		\$ \$ \$ \$
UTERUS	INVOLUTION SITES	SITES			14		
Tissue	Necropsy menos	8		X	Kecrobsy Kesos >>		
No necropsy memos recorded on animal	recorded on ani	anima!					t 6 6 6 9
Tissue	Mistupathologic diagnoses	ogic dia	ognoses /	/ Special histolo	Pathology Observations / Special histological comments:	al histological comments:	8 8 8 8

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LETTERNAN ARNY DIV OF RES SUPP.	DIV OF RES SUPP, PATH SERV GP	EARCH		vibul	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 31
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAULEY	FRANCISCO, CA 9 Ley	6214		St	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000546 Day of death: 133	00546	Sex: tatus:	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 1 Termin	Dose level: Control Terminal body weight (kms): 0.32
Tissue	:	rity	¥	S S C L	Observations >>> Gross Free-Text Comments	
UTERUS	INVOLUTION SITES PARTIALLY RESORBED FETUS	TES ORBED	FETUS		5 ONE	
Tissue	Necropsy Braos		, , , ,	Y w G C L O D w Y	Y Ke Bos >>	
No necropsy mem		nimat				
Tissue		ic diag	< P Squares /	atholog Special histo	Astopathologic diagnoses / Special histological comments	*
UTERUS		CROPHAC	GES, SLÍ	PIGNENT IN NACROPHAGES, Slight, Multifocel.		
FETUS	Miscellancous. AUTOLYSIS, ASS	SOCIATE	ED WITH	ENDOMETRIAL IN	Miscellaneous. Autolysis, associated with endometrial inflammation, Present.	

PATHOLOGY Appendix 0 (Cont.):

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP	PATH SERV	F RESEARCH GP		Indi	Individual Animal Data Dump Table Study Number: 87012F	mp Table 2f	PRINTED: 13-Feb-90 Page: 32
RAT/SPRAGUE-DAWLEY	KANCISCO,	CA 94129		v	Study Start Date: 21-Jul-87	nl-87	TERATOLOGY/
Animal: 87000548 Sex: Female Day of death: 115	00548	Sex: Female Status: NORHAL		EUTHANIZED	Group: 1	Dose level: Control Terminal body weight (kms): 0.33	Group: 1 Dose level: Control Terminal body weight (kms): 0.33
Tissue Finding, severity	Finding,	Finding, severity		8 8 0 L U	• 0	Observations >> Gross Free-Text Comments	
LIVER	CONGESTED WHITE ARE	CONGESTED WHITE AREAS ON CAPSULE	! ! !				
Tissue	Mecropsy memos	Memos		Z **		Α Α	<< RECTODSY MEBOS >>
LIVER	APPEARANG	APPEARANCE PROBABLY DUE TO		EUTHANASIA SOLUTION.	LUTION.		

Tissue Nistopathologic diagnoses / Special histological comments
Ali protocol required tissues normal.

SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

UTERUS

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV	RESEARCH GP		Indiv	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 33
RAT/SPRAGUE-DAWLEY	. Y	431 #4 K3		S	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000550 Day of death: 135	00550	Sex: Female Status: NORHAL	Sex: Female tus: NORHAL,	, EUTHANIZED	Group: 1 Terminal	Dose level: Control Terminal body weight (kms): 0.29	
	Finding, severity	severity	¥	8 8 0 1 5	Observations >>> Gross Free-Text Comments	·> nts	
WHOLE BODY	NO LESIONS RECOGN	NO LESIONS RECOGNIZED	ED				
UTERUS	INVOLUTION SITÉS	N SITËS			12		
Tissue	Necropsy memos	E 690\$		24 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
No necropsy memos recorded on animal	recorded	on animat					
Tissue	Mistopath	Kistopathologic diagnoses		Kistopathologic diagnoses / Special histolo PIGNENT IN MACROPHAGES, Slight, Multifocal.	/ Special histological comments	y Observations >> ological comments	

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LETTERMAN ARMY INSTITUTE OF RIDIN OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Indiv	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 34
PRESIDIO OF SAN FRA Rat/Sprague-dauley	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-dauley		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000551 Day of death: 133	00551	Sex: Female Status: NORMAL, EUTHANIZED	Group: 1 Termina	Dose level: Control Terminal body weight (kms): 0.32
	Tissue Finding, severity	8 8 0 L 3 >>	Observations >> Gross Free-Text Comments	S
WHOLE BODY	NO LESIONS RECOGNIZED			
UTERUS	INVOLUTION SITES		13	
Tissue	Necropsy memos	> N C O C U U Z >>	A SOEUE A A SOO.	
No necropsy memos	No necropsy memos recorded on animal			
Tissue	Mistopathologic diagnoses	Patholog ses / Special histo	Pathology Observations >> s/Special histological comments	
UTERUS	PIGNENT IN MACROPHAGES, Slight, Multifocal.	, Slight, Multifoca		

LETTERMAN ARMY FNSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	MSTITUTE OF PATH SERV	RESEARCH GP	vibu!	Individual Animal Data Dump Table Study Number: 87012F	p Table F		₹.	Page:	PRINTED: 13-Feb-90 Page: 35
RAT/SPRAGUE-DAULEY	FKANCISCO, EY	CA 94129	St	Study Start Date: 21-Jul-87	1-87			-	TERATOLOGY/
Animal: 87000802 Day of death: 147	0802	Sex: Female Sex: Female Status: NORHAL	 EUTHANIZED	Group: 1	Terminal	Dose level: Control Terminal body weight (kms): 0.41	Dose level: Control ight (kms): 0.41	otrol 0.41	•
Tissue	Finding, severity	severity	 S S O L J		On S VV Xt Comments	9 6 6 7 6 8 7 7 8	• • • • •	1 1 1 1 1	4 9 9 9 8 9 9
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	0 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4 5 7 0 2 2 2 2 3 3 3 3 5 7 7 8 7 9 9 9 9 9 9 9 5 5 6 2 5 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			! ! !		
Tissue	Necropsy memos		* Necrobsy		^				
UTERUS	SPERM POS	SPERM POSITIVE 27 DAYS BEI	 RE SACRIFICE.	ORE SACRIFICE. " NO LITTER DELIVERED.		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue Nistopathologic dia	Mistopath	Nistopathologic diagnoses red tissues normal.	 atholog Special histo	A stopathologic diagnoses / Special histological comments red tissues normal.	6 C				

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PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/sprague-dauley	RANCISCO, CA	94129		v	Study Start Date: 21-Jul-87	-87			TERATOLOGY/
Animal: 87000810 Sex: Female Day of death: 140 Status: NORMAL	00810	Sex: Female Status: NORMAL		EUTHANIZED	Group: 1 Dose level: Control , EUTHANIZED Group: 1 Terminal body weight (kms): 0.36	Dose level: Control Terminal body weight (kms): 0.36	Dose level: Control ight (kms): 0.36	Control 0.36	
Tissue Finding, severity	Finding, severity	verity	•	d 0		Gross Free-Text Comments			0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE							
Tissue	Necropsy memos	SOE		X >>	<< Recropsy Reads >>	^		8 8 9 9 9	0 0 0 0 0 0
No necropsy memos recorded on animal	recorded on animal	enimel			=				

Tissue Nistopathologic diagnoses / Special histological comments

LETTERMAN ARMY 14.	LETTERMAN ARMY LASTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012F	.ep-90
RAT/SPRAGUE-DAWLEY	XANCISCO, CA Y4129 Y	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000814 Day of death: 168	Sex: Female Status: NORMAL	, EUTHANIZED	•
fissue	Finding, severity	8 Q O 8 8 0 L 9	•
WHOLE BODY	NO LESIONS RECOGNIZED		
UTERUS	INVOLUTION SITES	14	
T issue	Mecropsy memos		
No necropsy memos	Ne necropsy memos recorded on animal		1 1 1 1
Tissue	_	athology Observer / Special histological comments	
OVARIES	CYST(S), Moderate, Focal,		

CHIERDEDINA SALIMATEN YERANGAN KAN KARA SALIMAN SALIMAN ASALA SALIMAN SALIMAN KAN SALIMAN SALI

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LETTERMAN ARMY INSTITUTE OF RESEARCH	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	8	Individual Animal Data Dump Table Study Number: 87012F	n Table F	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 38
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAVLEY	RANCISCO, CA 94129 Y	•	Study Start Date: 21-Jul-87	11-87		TERATOLOGY/
Animal: 87000822 Day of death: 165	00822		Group: 1	Dose level: Control Terminal body weight (kms): 0.39	Control 0.39	3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Tissue	<pre> // Tissue Finding, severity </pre>		s S	s.		
WHOLE BODY	NO LESIONS RECOGNIZED	NIZED				
UTERUS	INVOLUTION SITES		æ			
Tissue	Necropsy memos		< Necropsy Megos >>		0 0 0 0 2 2 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal					
7 saue	Mistopathologic diagnoses	<< P diagnoses /	Pathology Observations / Special histological comments	ology Observations >> alhistological comments	3 8 8 9 9 9	0 0 0 0 0 0 0
UTERUS	PIGHENT IN MACROPHAGES, Slight, Focel.	PHAGES, SLI	ht, Focal.			

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	RESEARCH P	Vibul	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 39
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAULEY	XANCISCO, C	A 94129	St	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000830 Day of death: 183	()	Sex: Female Status: NORMAL, EUTHANIZED	, EUTHANIZED	Group: 1 Terminal body	Dose level: Control Terminal body weight (kms): 0.27
Tissue	Finding, severity	Finding, severity	8 8 0 1 5	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZ	NO LESIONS RECOGNIZED	5 6 6 9 9 9 9 9 9 9		
UTERUS	INVOLUTION SITES	SITES		15	
Tissue	Necropsy memos	>>	× × × × × × × × × × × × × × × × × × ×	ODSY Reaos >>	
No necropsy memos recorded on animal	recorded o	n enime!			
Tissue	Mistopatho	<pre>Mistopathologic diagnoses / Special PIGMENT IN MACROPHAGES, Mild, Focal.</pre>	Special histo	Afstopathologic diagnoses / Special histological comments PIGMENT IN MACROPHAGES, Mild, Focal.	

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESENTO OF SAN EDANCTECO OF 07.120	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 40
RAT/SPRAGUE-DAWLEY	T	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000832 Day of death: 147	0832	Sex: Female Dose level: Control Status: NORMAL, EUTHANIZED Group: 1 Terminal body weight (kms): 0.35	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Tissue		<pre><< Gross 7 ce - 7 a t i o n s >></pre>	9 9 9 9 9 9 9 9 9 9
WHOLE BODY	NO LESIONS RECOGNIZED		
	Necropsy memos	<< Recropsy Reads >>	
UTERUS	SPERM POSITIVE 24 DAYS BEF	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED.	5 6 3 8 8 8 8 9 9 9
1. 8. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Histopathologic diagnoses	A stopathologic diagnoses / Special histological comments	
VAGINA	Required protocol tissue i	is missing.	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF REPAIN SERV GP	SEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012F	ıble	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 41
RAT/SPRAGUE-DAWLEY	EY CALSES, CA	74 129		SI	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000838 Sex: Femal Day of death: 164 Status: NORMA	00838	Sex: Status:	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 1	body we	Dose level: Control ight (kms): 0.40	
Tissue Finding, severity	Finding, severity	nerity	*	\$ \$ 0 L D >>	Observations >>> Gross Free-Text Comments	s >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZI	ED	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	**************	e 5 5 5 5 6 6 9 9 5 5 6 9 8 8 8 8 9 9 9 8 5 .	· 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4 9 4 6 9 9
	Necropsy memos	. 50	1	× × × × × × × × × × × × × × × × × × ×	S 0 E U	^		
UTERUS	SPERM POSITI	VE 26 D	AYS BEFO	RE SACRIFICE.	SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED.			
Tissue		ogic diag	gnoses /	atholog Special histo	Mistopathologic diagnoses / Special histological comments	< s u -		
All protocol required tissues normal.	uired vissues	normal.			red vissues normal.			

- ADDA DAMBETTER	SEATTHE OF SESTANCE		Adding Animal Data Diga Table	- CHINIO	14. Feb. 00
DIV OF RES SUPP,	LELLEKHAN AKHI INVILLOIK OF KEVEAKUH DIV OF RES SUPP. PATH SERV GP DISECTION OF CAN FOANTISCO OF 02120	, ,	inolvidual Animal Data Dump lable Study Number: 87012F	Page: 42	42
RAT/SPRAGUE-DAYLEY	EY		Study Start Date: 21-Jul-87	T .	TERATOLOGY/
Animal: 87000842 Day of death: 147	. 8		Group: 1 Terminal bod	vel: Control ms): 0.39	
Tissue		S N O L C	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED				
	Necropsy memos	r 2	Kerropsy Kemos >>		9 9 9 9
UTERUS	SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED	BEFORE SACRIFICE.			
Tissue All protocol requ	<pre>// fissue Mistopathologic diagnoses // brotocol required tissues normal.</pre>	Pathologes/Special histo	Pathology Observations >> Special histological comments		2 2 3 9 0 0 0

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individua	Individual Animal Data Dump Table Study Number: 87012F	able	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 43
PRESIDIO OF SAW FRA RAT/SPRAGUE-DAWLEY	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/sprague-dawley		Study	Study Start Date: 21-Jul-87	7	2 -	TERATOLOGY/
Animal: 87000848 Day of death: 168	00848	Sex: Female tus: NORMAL,		Group: 1	erminal body we	Dose level: Control ight (kms): 0.35	
Tissue	severi	ty	0 % % Q L U V	bservati Gross Free-Te	s >> Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
WHOLE BODY	NO LESIONS RECOGNIZED	ZED					
UTERUS	INVOLUTION SITES			14			
Tissue			> v d o :	X 0 E 0 X	^	8 9 0 6 9 9 9 9	•
No necropsy memos	No necropsy memos recorded on animal						
Tissue	Tissue Histopathologic dia	A A A A A A A A A A A A A A A A A A A	special histologi	Histopathologic diagnoses / Special histological comments red tissues normal.	^^ \$ L 0		0 0 0 0 0 0

Study Start Date: 21-Jul-87 Female Group: 1 Terminal body weight (kms): 0.34 C G r o s s O b s e r v a t i o n s >> Gross Free-Text Comments (A N e c r o p s y M e m o s >> C N e c r o p s y M e m o s >> C N e c r o p s y M e m o s >> C N e c r o p s y M e m o s >> C N e c r o p s y M e m o s >> C N e c r o p s y M e m o s >> C N e c r o p s y M e m o s >> C N e t h o l o g y O b s e r v a t i o n s >> C N e c r o p s y M e m o s >> C N e c r o p s o p s e r o p s o p s o p s e r o p s o p s e r o p s o p s o p s e r o p s o p s o p s e r o p s o p s e r o p s o p s e r o p s o p s e r o p s o p s o p s e r o p s o p s e r o p s	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP BREEFING OF SAN FRANCESCO. CA 0/420	INSTITUTE OF RE, PATH SERV GP	ESEARCH 04120	Indi	Individual Animal Data Dump Table Study Number: 87012F	fable	PRINTED: 13-Feb-90 Page: 44
death: 6700055 Sex: Female Group: 1 Terminal body death: 169 Status: NORMAL, EUTHANIZED Group: 1 * G C S S O B & C V a t i o n S * N C C C C C C C C C C C C C C C C C C	RAT/SPRAGUE-DAW	LEY	74 167	v	tudy Start Date: 21-Jul-	37	TERATOLOGY/
Finding, severity ODY NO LESIONS RECOGNIZED INVOLUTION SITES AND RECORDS WITH A READ STANDS STORE TEXT Comments Necropsy memos Necropsy memos AND RECORDS STANDS ST	Animal: 8 Day of death: 1		Sex: Female Status: NORMAL,	• '	Group: 1	Dose lev Terminal body weight (km	eel: Control is): 0.34
15 INVOLUTION SITES AND RECORDS AND SITES Necropsy memos recorded on animal AND SECONDS AND SECONDS AND SECONDS AND SECONDS AND SECONDS AND SECONDS SECOND		1	<< verity	;	O b s e r v a t i o i Gross Free-Text	S >> Comments	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
INVOLUTION SITES <	•		:	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Necropsy memos Opsy memos recorded on animal **A Pathology Observations >> **Nistopathologic diagnoses / Special histological comments	UTERUS	INVOLUTION S	sites		15		
	97 E 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Necropsy men	802	•		**	
	Tissue	Mistopatholo	<< P	atholog Specialhist	Y Observationogical comments		

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Indi	Individual Animal Data Dump Table Study Number: 87012f	PRINTED: 13-Feb-90 Page: 45
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAULEY	FRANCISCO, CA 94129 Ey		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000862 Day of death: 169	Animal: 87000862 Sex: Female Day of death: 169 Status: NORHAL,		Group: 1	Dose level: Control ight (kms): 0.31
Tissue WHOLE BODY	Tissue Finding, severity MHOLE BODY NO LESIONS RECOGNIZED	0 S S O L D	Observations >> Gross Free-Text Comments	
UTERUS	INVOLUTION SITES		14	
Tissue		U U Z	VA REBOS VA TEROS SANTOLUBES S	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal			

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Histopathologic diagnoses / Special histological comments
MINERALIZATION, Slight, Focal.

Tissue

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV GI	RESEARCH P		Individual Animal Data Dump Table Study Number: 87012F	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 46
RAT/SPRAGUE-DAVLEY	יי אארנו שנטיי ני ניץ	A 74 129		Study	-	TERATOLOGY/
Animal: 8700872 Day of death: 169	00872	Sex: Femal Status: NORMA	Sex: Female tus: NORMAL,	e L, EUTHANIZED	: _ :	8 1 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	Finding, severity	everity	¥	8 Q O 8 8 0 L D >		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE	ED		• • • • • •	***
UTERUS	INVOLUTION SITES	SITES		7		
Tissue	Necropsy Benes	e 30 s		< Necrobsy Memos >>		
No necropsy memos recorded on animal	recorded or	n animal				
Tissue	Kistopatho	logic diag	/< b	/ Spe		٠
UTERUS	PIGNENT IN MACROPHAGES, M	MACROPHAG	SES, MÍL	PIGNENT IN MACROPHAGES, Mild, Focal.	1 1 1 1 1 1	

PATHOLOGY
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Appendix

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 47
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dauley	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000876 Day of death: 169	7D00876 Sex: Female 69 Status: NORMAL, EUTHANIZED	Group: 1 Terminal body we	
Tissue		G G O S S O D S G T C B t i O D S V G T O S S T T C O T M C T O T S T C T C O T T C T C T C T C T C T C T C	
WHOLE BODY	NO LESIONS RECOGNIZED		
UTERUS	INVOLUTION SITES	6	
Tissue		AA SOEUX ASCOLUUX >>	
No necropsy memor	No necropsy memos recorded on animal		
Tiesue Tiesue	Histopathologic diagnoses /	Mistopathologic diagnoses / Special histological comments PIGNENT IN MACROPHAGES, Mild, Multifocal.	

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	,		Ap	pendix	Appendix 0 (Cont.): PATHOLOGY	PATHOLOGY		
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE (JF RESEARCH		Ē.,	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012f	ä	PRINTED: 13-Feb-90 Fuge: 48
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	RANCISCO Y	, CA 94129			Study Start Date: 21-Jul-87	tart Date: 21-Jul-87		TERATOLOGY/
Animal: 87000378 Day of death: 172	. 0	10878 Sex: Female Status: NORMAL,		EUTHANIZED			Dose level: Control Terminal body weight (kms.): 0.36	ntrol 0.36
	Finding	Finding, severity		8 O L	o p	Observations >>> Gross Free-Text Comments	Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LEST	NO LESIONS RECOGNIZED	• • • • •					
UTERUS	INVOLUT	INVOLUTION SITES			14			
Tissue	Necropsy memos	/ memos		2 2 V	A Y & C O I I	AA 80 E U Y		6 6 8 8 8 9 8 9
No necropsy memos recorded on animal	recorde	recorded on animal						
Tissue	Histopa	Histopathologic diagnoses		atholo Special hi	athology Observations >> / Special histological comments	<pre>< a t i o a s s</pre>	athology Observations >> / Special histological comments	0 0 0 0 0 0 0 0 0 0 0
UTERUS	PIGNENT	PIGNENT IN MACROPHAGES, SI	ES, Sti	ight, Multifocal.	ocal.			

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RESI	_	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012F	13-Feb-90 49
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	RANCISCO, CA 9.	4129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000880 Day of death: 161	00880		Group: 1 Dose level: Control , EUTHANIZED Group: 1 Terminal body weight (kms): 0.41	
- issue	Finding, severity	Ÿ	Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED			
UTERUS	INVOLUTION SITES	TES	16	
Tissue	Necropsy memos	•	A REBIN Y WITCOM X >>	0 0 0 0 2 2 0 3
No necropsy memos recorded on animal	recorded on a	nimet		
Tissue	Mistopathologic diagnoses	ic diagnoses /	Aistopathologic diagnoses / Special histological comments P. O. b. s. e. f. v. a. f. i. o. n. s. >> P. GMENT IN MACROPHAGES, Mild, Multifocal.	

LETTERMAN ARMY I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP	puI	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 50	3-Feb-90 0
PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAWLEY	•	Study Stant Date: 21-Jul-87		TERATOLOGY/
Animal: 87000916 Day of death: 164	D00916 Sex: Female Sex: Female Sex: Female Sex: Female Status: NORMAL,		Group: 1	Dose level: Control body weight (kms): 0.44	
Tissue.	<pre>fissue Finding, severity</pre>	S S O L U >>	Observetions	ents	
UTERUS	WHITE SPOTS	· 6 5 6 6 6 6 6 6 7 8 7 8 8 8 8 8 8 8 8 8 8 8	2		
		*			
UTERUS		YS BEFORE SACRIFICE	SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED.		
Tissue	Mistopathologic diagnoses	_ `	athology observations Special histological comments	A A	
All protocol requi	All protocol required tissues normal.				

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table . Study Number: 87012F	PRINTED: 13-Feb-90 Page: 51
RAT/SPRAGUE-DAWLEY	KANCISCO, CA 94129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000922 Day of death: 184	Animal: 87000922 Sex: Female Day of death: 184 Status: NORMAL, EUTHANIZED		ontrol 0.35
Tissue	Finding, severity	<pre>c Gross Observations >> Gross Free-Text Comments</pre>	9
WHOLE BODY	NO LESIONS RECOGNIZED	• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	œ	
Tissue	Necropsy memos		
No necropsy memos	No necropsy memos recorded on animal		
Tissue	Aistopathologic diagnoses	Alstopathologic diagnoses / Special histological comments	
UTERUS .	LYMPHOID AGGREGATES, Slight, Multifocal,	***************************************	

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LETTERMAN ARMY II DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERY GP		Indiv	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 52
RAT/SPRAGUE-DAWLEY	FY CONTROL OF THE STATES		Sti	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000936 Day of death: 154	0936	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Terminal body we	Control 0.37
Tissue	Finding, severity		8 8 0 1 5	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED			6 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Tissue	Necropsy memos		× × × × × × × × × × × × × × × × × × ×		
UTERUS	SPERM POSITIVE 28 DAYS BEF	YS BEFOR	E SACRIFICE. "	SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED.	6 6 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Tissue	<< · P Histopathologic diagnoses	AA . P B	thology Special histol		
OVARIES	MINERALIZATION, Slight, Multifocal.	ht, Mult	ifocal.		000040000000000000000000000000000000000
VAGINA	INFLAMMATION, LYMPHOCYTIC,		Slight, Multifocal.	ocal.	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV GP	SEARCH		Individ	Individual Animal Data Dump Table Study Number: 87012F	e.	PRINTED: 13-Feb-90 Page: 53
PRESIDIO OF SAN FRA Rat/sprague-dauley	RANCISCO, CA	94129		Study	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000938 Day of death: 151	00938	Status: Normal	Sex: Female tus: NORMAL,	EUTHANIZED	Group: 1 Terminal body we		
	Finding, severity	erity		8 8 0 % U	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGN 1 ZE					
	Necropsy memos	80		× × × × × × × × × × × × × × × × × × ×	** ** O E U X		
UTERUS	SPERM POSITIVE 26 DAYS BEFORE SACRIFIC	VE 26 DA	YS BEFOR	RE SACRIFICE. 'N	SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED.		
Tissue Histopathologic dia	Mistopathologic diagnoses	normal.	A P (sthology Special histolo	<pre><< pathology Observations inoses / Special histological comments</pre>	A pathologic diagnoses / Special histological comments red tissues normal.	

PATHOLOGY (Cont.): Appendix 0

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RESEAR!	¥.) Indi	Individual Animal Data Dump Table Study Number: 87012F	Table	. x x x x x x x x x x x x x x x x x x x	Page: 54
PRESIDIO OF SAN FRA Rat/Sprague-Dawley	RANCISCO, CA 9412!	~	St	Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 87000940 Day of death: 170	00040		EUTHANIZED	Group: 1	Dose level: C Terminal body weight (kms):	Dose level: Control ight (kms): 0.30	4 6 9 9 9
Tissue WHOLE BODY	Finding, severity NO LESIONS RECOGNIZED		A 0	. 	Gross Free-Text Comments		0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES			11			
Tissue Necropsy memos	Necropsy memos recorded on animal	0 0 1 0 0 0	> 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	A X B B D S Y X B B D S Y Y	*		
Tissue Histopathologic dis.	Histopathologic diagnoses	<pre>conses / conses / conses</pre>	stholog Special histo	athology Observations >> / Special histological comments	^^		

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PRESIDIO OF SAN FRA RAT/SPRAGUE-DAWLEY	FRANCISCO, EY	CA 94129			Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 8700050 Day of death: 147	06600	Sex: Female Status: NORMAL,			Group: 1 Dose level: Control EUTHANIZED Group: 1 Terminal body weight (kms): 0.37	Dose level: Control Terminal body weight (kms): 0.37	Dose level: Control ight (kms): 0.37	
** Tissue Finding, severity	Finding, severity	severity			Observations VV	er < a t i o n s >> Gross Free-Text Comments		
WHOLE BOOY	NO LESTON	NO LESIONS RECOGNIZED	; ; ;	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				
Tissue					< Recropsy Meaos >>	^		
No periods vessos recorded on animal	recorded	•	: : : : :					

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Nistopathologic diagnoses / Special histological comments
INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

Tissue

LETTERMAN ARMY I. DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individual A	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 13-Feb-90 Page: 56
RAT/SPRAGUE-DAWLEY	FRANCISCO, CA 94129 EY		Study Sta	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000952 Day of death: 189	00952	Sex: Female Status: NORMAL,	0 0 1 1 4 4	Group: 1 Terminal body weight (kms):	ontrol 0.37
Tissue	Tissue Finding, severity		90 88019	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	ZED	9	, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
UTERUS	INVOLUTION SITES			14	
Tissue	Necropsy memos		>		
No necropsy memo:	-				
	Alstopathologic diagnoses		athology O' Special histological	athology Observations >> / Special histological comments	
UTERUS	PIGNENT IN MACROPHAGES, Slight, Multifocal.	AGES, SLI	ght, Multifocal.	ight, Multifocal.	8 F 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

LETTERMAN ARMY II	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	.	ipul	Individual Animal Data Dump Table Study Number: 87012F	rable	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 57
PRESIDIO OF SAN FRA Rat/Sprague-Dauley	FRANCISCO, CA 9412' Ey		Š	Study Start Date: 21-Jul-87	25	-	TERATOLOGY/
Animal: 87000956 Day of death: 172	00956		Sex: Female Status: NORMAL, EUTHANIZED	Group: 1	e Group: 1 Terminal body weight (kms): 0.32 L, EUTHANIZED	Control 0.32	
- Sauce	:		6 60 L G	Observations YV Gross Free-Text Comments	n s >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED		* * * * * * * * * * * * * * * * * * * *				
UTERUS	INVOLUTION SITES			13			
Tissue			X >>		*		
No necropsy memor	No necropsy memos recorded on animal	* * ! !	• • • • • • • • • • • • • • • • • • •				

Astopathologic diagnoses / Special histological comments
PIGNENT IN MACROPHAGES, Slight, Multifocal.

Tissue

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DEFECTION OF SAN FRANCISCO, CA 02120	STITUTE OF RESEAR PATH SERV GP PANCISCO CA 0212	# C#	Individ	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012F		PRINTED: Page:	PRINTED: 13-Feb-90 Page: 58
RAT/SPRAGUE-DAWLEY	Y	Ğ		Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animel: 87000970 Day of death: 172	00970	Sex: Fessle Status: NORMAL	• •	Group: 1	E. 0 -	body we	Dose level: Control ight (kms): 0.32	
Tissue	Finding, severity	*	8 8 0 L G	0 b s e r v a t i o n Gross Free-Text	0 b s e r v a t i o n s >> Gross Free-Text Comments	YY	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 7 8 8 9 9 9
UNOLE BODY	NO LESIONS RECOGNIZED	WIZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	• • • • • • • • • • • • • • • • • • •	#) ; ; ;
UTERUS	INVOLUTION SITES	4.5		10				
Tissue	Necropsy memos		*	psy me	X			
No necropsy memos recorded on animal	recorded on anim	, , , , ,		0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	*
Tissue	Astopathologic diagnoses / Special histopic Pignest / Special histopic Miscophages, Hild, Multifucal.	diagnoses diagnoses hi	/ Special histological comments	Obser gical comments	<pre></pre>	^		8 8 9 9 9
VAGINA	INFLAMMATION, LYMPHOCYTIC,	WPHOCYTIC,	, Slight, Multifocal.	at.				

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF RESEA	IRCH	Indiv	Individual Animal Data Dump Table Study Number: 87012f		PRINTED: 13-Feb-90 Page: 59
RAT/SPRAGUE-DAVLEY	FRANCISCO, CA 94.1		St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000972 Day of death: 172	0972		EUTHANIZED	Group:	Group: 1 Terminal body weight (kms): 0.33	ntrol 0.33
Tissue HOLE BODY	Finding, severity NO LESIONS RECOGNIZED		6 C C C C C C C C C C C C C C C C C C C	Observations vy Gross Free-Text Comments	Observations >> Gross Free-Text Comments	
UTERUS	INVOLUTION SITES	. <u>vs</u>		12		
Tissue Mecropsy memos	Necropsy memos recorded on anima(>	obsy Esos	<pre> </pre>	

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Astopathologic diagnoses / Special histological comments

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INFLANMATION, LYMPHOCYTIC, Slight, Focal.

PITUITARY GLAND

UTERUS

Tissue

LETTERHAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	SEARCH	Indi	Individual Animal Data Dump Table Study Number: 87012f		PRINTED: 13-Feb-90 Page: 60
RAT/SPRAGUE-DAWLEY	FKANCISCO, CA	44129		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000978 Day of death: 154	\$79000	Animal: 87000978 Sex: Female f death: 154 Status: NORHAL,	EUTHANIZED	Group: 1 Termin	Dose body weight	
	Finding, severity	erity <<	# # O L G	v	! ! !	
WHOLE BODY	NO LESIONS RECOGNIZED	NO LESIONS RECOGNIZED	0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			6
UTERUS	INVOLUTION SITES	ITES		12		
Tissue	Necropsy memos					
No necropsy mesos recorded on snissi	recorded on	animal		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 8 0 8 9 0 0 0 0 8 8 8 8 8 8 8 8 8 8 8
Tissue Mistopathologic dia All protocol required tissues normal.	Mistopatholo	Mistopathologic diagnoses /	atholog Special hist	1/ssue Mistopathologic diagnoses / Special histological comments All protocol required tissues normal.	*	

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PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	FRANCISCO, ey	CA 94129	S	Study Start Date: 21-Jul-87	ul-87			TERATOLOGY/
Animal: 87000412 Sex: F	000412 2	Sex: Female Status: NORMAL,	, EUTHANIZED	Group: 2		Dose level: Terminal body weight (kms):		1.3 PPT/day 0.32
Tissue		everity	8 O L	Observations >>> Observations >>> Observations	ervations >>> Gross Free-Text Comments			
WHOLE BODY	NO LESION	NO LESIONS RECOGNIZED	2 4 2		^			
Tissue	Mecropsy memos	Necropsy memos Sperm Positive 24 DAYS BEFOR	ORE SACRIFICE.	TER U			4 0 0 0 0	
Tissue Mistopathologic dia	Mistopath	<pre>* P a Mistopathologic diagnoses / red tissues normal.</pre>	/ Special hist	Aistopathologic diagnoses / Special histological comments red tissues normal.	, i	4		

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LETTERMAN ARMY IS DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESENTS OF SAN FRANCISCO. CA 02430	-	Indi	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 62
RAT/Sprague-Dawley	EY		s	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000424 Day of death: 119	00424	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2 Dose level: Terminal body weight (kms):	1.3 P 0.24
	Finding, severity	•	\$ \$ 0 L 9 \$	Observations >> Gross Free-Text Comments	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
WHOLE BODY	NO LESIONS RECOGNIZED	:	9 3 5 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	0 0 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
UTERUS	INVOLUTION SITES			12	
Tissue	Necropsy memos		Z >>	Rectors y Regos >>	
No necropsy memos	No necropsy memos recorded on animal		5 6 8 8 8 8 8 8 8		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Mistopathologic diagnoses	<pre><< p isgnoses / </pre>	atholog Special hist	<pre><< P a t h o l o g y 0 b s e r v a t i o n s >> Wistopathologic diagnoses / Special histological comments</pre>	
All protocol redu	All protocol required tissues normal.	•			

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	F RESEARCH GP	Individu S	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 63	6-Apr-90 3
PRESIDIO OF SAN FRA RAI/Sprague-Dawley	RANCISCO, Y	CA 94129	Study	Study Start Date: 21-Jul-87	7.6	TERATOLOGY/
Animal: 87000433 Day of death: 98	00433	Sex: Female Status: NORMAL	, EUTHANIZED	Group: 2 Terminal body weight (kms):	1.3 PPT/day 0.32	1.3 PPT/day 1.32
:	Finding, se	verity		servations >> Gross Free-Text Comments		
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	1 1 1 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
	Necropsy memos	E-BOS	X			3 6 9 9 9
UTERUS	SPERM PO	SPERM POSITIVE 25 DAYS BEF	SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.			
Tissue Histopathologic dia	Mistopati 	O 1	Pathology Obsers/Special histological comments	A thology Observations >> noses / Special histological comments		

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PRESIDIO OF SAM FRA RAT/Sprague-Dawley	PRESIDIO OF SAW FRANCISCO, CA 94129 RAT/Sprague-Dawley		Š	Study Start Date: 21-Jul-87	37			TERATOLOGY/
Animal: 87000438	000438	Sex: Female	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose level: weight (kms):	evel: kas):	1.3 PPI/day 0.34
Tissue	Tissue Finding, severity		8 O L U	Observations >>> Gross Free-Text Comments	s >> Comments			
WHOLE BODY	NO LESIONS RECOGNIZED	ZED	• • • • • • • • • • • • • • • • • • •	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
UTERUS	FETUS IN UTERUS			F				
Tissue	Mecropsy memos		L U		^		9	
No necropsy memos)) () () () ()						
Tissue	Histopathologic di	<pre></pre>	atholog Special hist	< Pathology Observations Histopathologic diagnoses / Special histological comments	* E 0			
MI protocol regi	■				5			

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PARTISON OF SAN TRANCISCO, CA VAILA RAT/Sprague-Dawley	KANCISCO,	CA 74 129		ά	Study Start Date: 21-Jul-87				TERATOLOGY/
Animal: 8700041 Day of death: 99		Sex: Female Status: NORMAL	Sex: Female tus: NORMAL,	e IL, EUTHANIZED	Group: 2	Terminal body weight (kms):	Dose level: eight (kms):	evet: kms):	1,3 PPT/day 0.31
	Finding, severity	severity		8 8 0 1 5	y S	s >> comments			
UTERUS	WHITE SPOTS	UNITE SPOTS		\$ 5 4 5 7 4 5 4 5 5 5 5 5 5 6 5 7 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1	; ; ;	! ! ! !		
Tissue	Mecropsy memos	30 S		- U		٨			
	SPERM POS	SPERN POSITIVE 25 DAYS BEI	AYS BEFO	SPERM POSITIVE 25 DAYS BEFORE SACRIFICE.	ORE SACRIFICE. NO LITTER DELIVERED.		• • • •	: : : : :	
Tissue	Mistopath DILATED L	Mistopathologic diagnoses	Gnoses /	Patholog /Special histo	Aistopathologic diagnoses / Special histological comments DILATED LUNEN, Moderate, Diffuse.	A	* * *		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF PATH SERV G	RESEARCH	Indi	Individual Animal Data Dump Table Study Number: 87012F	Table	PRINTED: 16-Apr-90 Page: 66
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, C ey	A 94129		21-	-87	TERATOLOGY/
Animal: 87000448 Day of death: 133	D00448	Animal: 87000448 Sex: Female		Group: 2	Dose level: Terminal body weight (kms):	l: 1.3 PPT/day): 0.32
Tissue	: <u>:</u>	<pre>conding, severity</pre>	•	b s e r . Gross	S	
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED	e o p o o o o o o o o o o o o o o o o o	! ! !		
UTERUS	INVOLUTION SITES	I SITES		15		
Tissue		Recropsy memos	U	Kecropsy Resos >>	^	
No necropsy memos recorded on animal	s recorded o	n anima!				
Tissue Nistopathologic dia	Mistopatho	duoses.		/ Special histological comments	^	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF REPAIR	ESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table			PRINTED: 16-Apr-90 Page: 67	06-
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	KANCISCO, CA	94129		St	Study Start Date: 21-Jul-87	-87	,		TERATOLOGY/)GY/
Animal: 8700049 Day of death: 134	00449 Sex: Female Status: NORMAL	Sex: Female Status: NORMAL,	Sex: Female tus: NORMAL,	EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose	Dose level:	1.3 PPT/day 0.32	
Tissue Finding, severity	Finding, severity	verity	¥	S S O L G	Observetions >>> Gross Free-Text Comments	n s >> t Comments				
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE	۵	• • • • • • • • • • • • • • • • • • •						
UTERUS	INVOLUTION SITES	SITES			17					
Tissue	Necropsy memos	808		× × ×		^				
No necropsy memos recorded on snims!	recorded on	•nimal								
Tissue Mistopathologic dia	Mistopathologic diagnoses /	ogic diag		Special historical	sthology Observations >> Special histological comments	A		•		

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PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	RANCISCO, CA	94129		St	Study Start Date: 21-Jul-87			TERATOLOGY/
Animat: 87000452 Day of death: 128	00452	Sex: Feas	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2	body we	Dose level:	1.3 PPT/day 0.29
; ; ; ; ;	Finding, severity	verity	*	8 8 0 L B	Observations >>> Gross Free-Text Comments	s >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZI	ED	0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• • • • • • • • • • • • • • • • • • •	
UTERUS	INVOLUTION SITES	SITES			6			
Tissue	Necropsy memos	9 ·		× × × × × × × × × × × × × × × × × × ×	Z 0 E	^		
No necropsy memos recorded on animal	recorded on	animel						
Tissue	Histopathol	ogic diag	<pre>c b c gnoses /</pre>	atholog Special histo	Alstopathologic diagnoses / Special histological comments	^^ s = 0		
All protocol required tissues normal.	ifred tissues normal.	normal.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 ey		Stu	Study Start Date: 21-Jul-87	21	191	TERATOLOGY/
Animal: 87000454 Day of death: 100	00454 Sta	•	EUTHANIZED	Group: 2 Terminal	Terminal body weight (kms):	1.3 PPT/day 0.34	1.3 PPT/day 0.34
6 5 1 1	Finding, severity	¥	8 8 0 1 9	Observations >>> Gross Free-Text Comments	omments		
UTERUS	WHITE SPOTS	; ; ; ; ;	1 1 1 1 1 1 1 1 1	2			
Tissue	Necropsy memos		< Kecropsy	S O E U X	A ROBOX Y SUPOROS	6 6 8 8 9 9 9	6 6 9 8 8
	SPERM POSITIVE 25 DA	YS BEFORE	SACRIFICE.	SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.			
Tissue	Tissue Histopathologic diagnoses /	<< P E	thology Special histol	ethology Observations/Special histological comments	۸ « ت	0 0 0 0 0 0 0 0	6 6 9 8 9

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RAT/Spregue-Dawley	FRANCISCO, CA ey	44169		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000457 Day of death: 100	00457	Sex: Febal Status: NORM	Fe B NORE	le AL, EUTHANIZED Group: 2 Terminal body weight (kms):	1.3 PPT/day 0.30
	Finding, severity	erity		<pre><< Gross Free-Text Comments</pre>	:
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGN 1 ZE	ED		
UTERUS	INVOLUTION SITES	ITES		₩	
Tissue	Necropsy memos	*		<< repropsy Teaos >>	
No necropsy memos recorded on animal	e recorded on	animal			
Tissue		gic diag	<< P a	Pathology Observations >> es/Special histological comments	
All protocol required tissues normal.	uired tissues normal.	normat.			# # # # # # # # # # # # # # # # # # #

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PRESIDIO OF SAN FRI RAT/Sprague-Dawley	RANCISCO, CA Y	94129		St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000462 Day of death: 116	00462 Sex: Female Status: NORMAL	Status:	Sex: Female Status: NORMAL	EUTHANIZED	Group: 2 Terminal b	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.29
1 	Finding, severity	verity	¥	8 O L U	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZ	ED	8 8 9 9 9 9 9 9 9 9		,	
UTERUS	INVOLUTION SITES	SITES			7		
Tissue	Necropsy memos	\$ OE	1	× × × × × × × × × × × × × × × × × × ×			
No necropsy memos recorded on animal	recorded on	animal					
Tissue Mistopathologic diameter Mistopathologi	Histopathold	ogic dia	d vy	Special histo	Aistopathologic diagnoses / Special histological comments red tissues normal.		

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RAT/Sprague-Dawley	FRANCISCO, CA ey	94129		Š	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000463 Day of death: 122	7000463 Sex: Female 22 Status: NORMAL	Sex: Female Status: NORMAL		, EUTHANIZED	Group: 2 Terminal	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.31
Tissue Finding, severity	Finding, severity	rerity		8 8 0 L U	(5		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZ	ED	# 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
UTERUS	INVOLUTION SITES	SITES			11		
Tíssue	Necropsy memos	\$0		2 × ×			
No necropsy memos recorded on animal	s recorded on	animal					
Tissue Mistopathologic dia	Mistopathologic diagnoses uired tissues normal.	ogic dia	gnoses	atholog Special hist	/ Special histological comments	^	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RE	SEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012f		PRINTED: 16-Apr-90 Page: 73
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA	94129	Sti	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000464 Sex: Female Day of death: 123 Status: NORMAL	00464		EUTHANIZED	body we	Dose level: Fight (kms):	1.3 PPT/day 0.28
Tissue Finding, severity	Finding, severity		8 8 0 L 5	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGNIZED				
UTERUS	INVOLUTION SITES	1165		14		
Tissue	Necropsy memos	\$	** X e C T O D S Y			
No necropsy memos recorded on anissi	recorded on	anima!				
Tissue		<pre>/</pre>	ntholog) Special histol	Aistopathologic diagnoses / Special histological comments	1	
All protocol required tissues normal.	ired tissues					

PRESIDIO OF SAM FRANCISCO, CA 94129 RAT/Spregue-Dawley RAT/Spregue-Dawley Animal: 87000468 Sex: Female Animal: 87000468 Sex: Female Animal: 87000468 Sex: Female Day of death: 106 Status: NORMAL, EUTAANIZED Animal: 87000468 Sex: Female Group: 2	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF RESE	EARCH	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 74
00468 Sex: Female Group: 2 Terminal body Weight (kms): 0.31 <- G r o s s O b s r v a t i o n s >> Finding, severity <- G r o s s O b s r v a t i o n s >> Finding, severity WO LESIONS RECOGNIZED <- N e c r o p s y N e m o s >> Wecropsy memos SPERN POSITIVE 26 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED. <- P a t h o l o g y O b s r v a t i o n s >> Wistopathologic diagnoses / Special histological comments	PRESIDIO OF SAN F RAT/Sprague-Dawle	FRANCISCO, CA 94 ey	129	Study Start Date: 21-Jul-87	TERATOLOGY/
Finding, severity NO LESIONS RECOGNIZED AND LESIONS	Animal: 870 Day of death: 106	00468	Sex: Female ratus: NORMAL,	Group: 2	0
NO LESIONS RECOGNIZED	Tissue	Finding, sever		0 0	
<pre><< Necropsy Memos >> AYS BEFORE SACRIFICE. NO LITTER DELIVERED. << · P a t h o l o g y 0 b s e r v a t i o n s >> gnoses / Special histological comments</pre>	WHOLE BODY	NO LESIONS REC	COGNIZED		
AYS BEFORE SACRIFICE. NO LITTER DELIVERED.		Necropsy memos			
<pre><< - Pathology Observations >> gnoses / Special histological comments</pre>	•	SPERM POSITIVE	26 DAYS BEFO	ORE SACRIFICE. NO LITTER DELIVERED.	
	Tissue	Histopathologi		athology Observations >> / Special histological comments	

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PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley	RANCISCO, CI	A 94129		S	Study Start Date: 21-Jul-87	1-87		1 9 1 1	16	TERATOLOGY/
Animal: 87000473 Day of death: 128	: 8	Sex: Female Status: NORMAL,		EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose	Dose level:	1.3 PPT/day 0.30	PPT/day
Tissue	Finding, severity			8 9 0 L G	Observations >>> Observations >>>	ons >> xt Comments	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED	• • • • •	1 1 6 6 9 9 9						
UTERUS	INVOLUTION SITES	SITES			13					
Tissue		e			* O E O W A A A A A A A A A A A A A A A A A A	^	1	1		
No necropsy memos recorded on animal	recorded on a	n animal								
Tissue	Histopatho	<pre></pre>	<< P a	atholog Special hist	athology Observations' Special histological comments	10 n s vv			1 1 0 1 1	1
All protocol required tissues normal.	ired tissue	red tissues normal.							:	

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PRESIDIO OF SAN FRANCISCO, CA 94129 PRESIDIO OF SAN FRANCISCO, CA 94129 RAI/Sprague-Dawley Animal: 87000475 Sex: F	ERV GP 10, CA 94129		Study Number: 87012F	
RAT/Sprague-Dawley Animal: 87D00475 Day of death: 128	.U. LA 94129			Page: /o
Animal: 87000475 Day of death: 128			Study Start Date: 21-Jul-87	TERATOLOGY/
*******************	Sex: Femal Status: NORMA	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2 Dose level: Terminal body weight (kms):	0.2
		9	0 b s	
UTERUS INVOLI HESONE	INVOLUTION SITES MESOMETRIAL ADHESION, Mil	Plik ,	8 FOCAL	
	Necropsy memos		A ROBOK Y TRABOS >>	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
No necropsy memos recorded on animal	recorded on animal			
Tissue . Histop	** **<	· Pathologes / Special his	A thologic diagnoses / Special histological comments	
All protocol required tissues normal.	ssues normal.	P P 6 B B B B B B B B B B B B B B B B B		

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PRESIDIO OF SAN FRANCISCO, CA 94129 RAI/Sprague-Dawley	RANCISCO, CA 94	129	St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000476 Day of death: 140	30476	Sex: Female Status: NORMAL,	, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.32
Tissue	Finding, severity	ity	0 L	Observations >>> Gross Free-Text Comments	>> mments	
WHOLE BODY	NO LESIONS RECOGNIZED	OGNIZED				
UTERUS	INVOLUTION SITES	ES		15		
Tissue	Necropsy memos		X & Q O L O B X >>	ODSY MEBOS >>		
No necropsy memos recorded on animal	recorded on an	n animal				
Tissue Mistopathologic dia	<pre>% P Wistopathologic diagnoses uired tissues normal.</pre>	c diagnoses /	special histo	Aistopathologic diagnoses / Special histological comments red tissues normal.	^	

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LETTERNAN ARMY II DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		I	Individual Animal Data Dump Table Study Number: 87012F	Data Dump Table r: 87012F	_	PRINTED: 16-Apr-90 Page: 78
RAT/Sprague-Dawley	FARCISCO, CA 94129 ey			Study Start Date: 21-Jul-87	e: 21-Jul-87		TERATOLOGY/
Animal: 87000487 Day of death: 100	00487 Sta	Female NORMAL,	, EUTHANIZED	† † † †	2 Terminal body	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.36
Tissue	Tissue Finding, severity	¥	99 US		Observations >> Gross Free-Text Comments	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
WHOLE BODY	NO LESIONS RECOGNIZED	ED	• • • • • •	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 a a a 0 0 a a a a 0 0 a a a a a 0 0 a
Tissue			2 2 2	Necropsy H	X		
No necropsy memos	No necropsy memos recorded on animal	; ; ; ; ;	f 5 6 7 7 7	6 a 5 a a a a a a a a a a a a a a a a a		• 8 9 9 5 9 6 9 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Aistopathologic diagnoses		special hi	gy obsestological comme	sthology Observations >> / Special histological comments		
All protocol requ			1 1 1 1 1 1 1	0 0 0 0 0 1 1 1 1 1 1		* 6	3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA 9.	4129	Ś	Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 87000488 Sex: Fema	00488	Sex: female Status: NORMAL, EUTHANIZED	EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose level:	1.3 PPT/day 0.36
1 1 1 1	Finding, severity	rity	<د د و ت م	Observations >>> Gross Free-Text Comments	s)		
WHOLE BOOT	NO LESIONS RECOGNIZED	COGNIZED					
UTERUS	INVOLUTION SITES	TES		12			
Tissue	Necropsy memos	9	Z **		^	6 9 1 1 1 1 1 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
No necropsy sesos recorded on sniss!	recorded on anim	nimel					
Tissue Mistopathologic dia	Mistopathologic diagnose:	44 P	Special historical	Aistopathologic diagnoses / Special histological comments red tissues normal.	o	; ; ; ; ;	

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LETTERMAN ARMY II	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	1	Individual Animal Data Dump Table Study Number: 87012F	sata Dump Table :: 87012F	PRINTED: 16-Apr-90 Page: 80
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 ey		Study Start Date: 21-Jul-87	:: 21-Jul-87	TERATOLOGY/
Animal: 87000491 Day of death: 106	Animal: 87000491 Sex: Female Day of death: 106	•	Group: 2	2 Dose level: Terminal body weight (kms):	1.3 PPT/day 0.41
	•	* * 0 L 9 >>	, , , ,	Observations >> Gross Free-Text Comments	
UTERUS	UNITE SPOTS	v	2		
			× × × × × × × × × × × × × × × × × × ×	X 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
UTERUS	SPERM POSITIVE 26 DAYS BEF	YS BEFORE SACRIFIC	ORE SACRIFICE. NO LITTER DELIVERED.	.IVERED.	
Tissue		<pre><< . p a t h o l c noses / Special hi</pre>	s g y 0 b s e stological commen	ryations >> ts	
All protocol requi	All protocol required tissues normal.	1	# 6 4 6 6 9 9 9 9 9 8 6 6 6 6 6 6 6 6 6 6 6 6		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	NSTITUTE OF RESE Path Serv GP Francisco, ca 94	SARCH 129		Individua	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 81
RAT/Sprague-Dawley	Á			Study	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000492 Day of death: 106	00492	Sex:	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Terminal body we	Dose level:	1.3 PPT/day 0.32
Tissue	Finding, severity	ity	¥		Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	OGN I ZE	0		. 1 4 4 6 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
Tissue	Necropsy memos	-	1 1 4 6	<< × e c 7 o p s y	× × × × × × × × × × × × × × × × × × ×		
TO SELLODAN MEMOR LECOLDED ON BUILDING	recorded on an						
Tissue Nistopathologic dia	Nistopathologic diagnoses	c diag	^ .	athology Special histologic	Aistopathologic diagnoses / Special histological comments red tissues normal.		

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	=	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 82
RAT/Sprague-Dawley	FRANCISCO, CA YWIEY FY		Study	TERATOLOGY/
Animal: 87000495 Day of death: 140	Animal: 87000495 Sex: Femal of death: 140 Status: NORMA	Sex: Female tus: NORMAL,	Group: 2 Terminal body weight (kms):	1.3 PPT/day 0.34
Tissue	Tissue Finding, severity << G r o s s	¥	s q 0	
WHOLE BODY	NO LESIONS RECOGNIZED	1 Z E D		
UTERUS	INVOLUTION SITES		€0	
Tissue	Necropsy memos		<< Reclobsy Regos >>	
No necropsy memos				
Tissue		<pre><< p iagnoses /</pre>	Alstopathologic diagnoses / Special histological comments	
All protocol requ	All protocol required tissues normal.	; ; ; ;		

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LETTERMAN ARMY DIV OF RES SUPP DESCIPIO OF SAM	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESENTS OF SAN FRANCESS OF 02120		Individual Ar Study	Individual Animal Data Dump Table Study Mumber: 87012F		PRINTED: 16-Apr-90 Page: 83
RAT/Sprague-Dawley	tey		Study Star	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000499 Day of death: 133	66700	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2 Dose level: Terminal body weight (kms):	Dose level: Weight (kms):	1.3 PPT/day 0.33
Tissue	Finding, severity	¥		0 bservations >> Gross Free-Text Comments	5 6 1 1 4 4 4 4 5 7 7 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1
WHOLE BODY	NO LESIONS RECOGNIZED	ZED		1	1 1 1 1 1 1 1 1	* * * * * * * * * * * * * * * * * * *
UTERUS	INVOLUTION SITES			15		
Tissue			** N e c r o p s v	T 6 3 0 8 >>		
No necropsy memos	No necropsy memos recorded on animal	1 1 1 1 1 1 1 1		* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	• • • • • • • • • • • • • • • • • • •
Tissue		<< P a	athology Special histological	<pre><< Pathologic diagnoses / Special histological comments</pre>		
All protocol requ	All protocol required tissues normal.	•	• • • • • • • • • • • • • • • • • • •		8 8 8 1 1 1 1 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

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PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	KANCISCO, CA	44129		s	21-	87		TERATOLOGY/
Animal: 87000501 Sex: Female Day of death: 130 Status: NORMAL))	Sex: Female Status: NORMAL		EUTHANIZED	Group: 2	erminal body we	Dose level: eight (kms):	1.3 PPT/day 0.28
:	Finding, severity	erity		8 8 0 1 5	Observations >>> Gross Free-Text Comments			
UTERUS	PARTIALLY RESORBED FETUS	SORBED	FETUS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TWO EACH	: : : :	• • • • • • • • • • • • • • • • • • •	
Tissue	Necropsy memos	s		Z **	Zecropsy Aesos >>	^		
No necropsy memos recorded on animal	recorded on	animal						
Tissue Histopathologic dia	Mistopathologic diagnoses	gic dia normal.	4 × × × × × × × × × × × × × × × × × × ×	atholog Special hist	/ Special histological comments	۸۸ » ت o		

LETTERMAN ARMY IN	LETTERMAN ARMY INSTITUTE OF RESEARCH	i	Individual Animal Data Dump Table	PRINTED: 16-Apr-90
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley		-87	TERATOLOGY/
Animal: 87000502 Day of death: 133	Animal: 87000502 Sex: Femal	Sex: Female tus: NORMAL,	Group: 2 Dose level: Terminal body weight (kms):	1.3 PPT/day 0.30
Tissue	Tissue Finding, severity	¥	<pre><< Gross free-Text Comments</pre>	1 P P P P P P P P P P P P P P P P P P P
WHOLE BODY	NO LESIONS RECOGNIZED	9		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 4
UTERUS	INVOLUTION SITES		14	
Tissue	Necropsy memos	1		
No necropsy memos	J BW			
Tissue	Mistopathologic diag	<< p	<pre><< p a t h o l o g y 0 b s e r v a t i o n s >> Nistopathologic diagnoses / Special histological comments</pre>	

All protocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF REPAIR	ESEARCH	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 86
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA ey	94129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000518 Sex: Femal	000518	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2 Terminal body we	Dose (evel: 1.3 PPT/day ight (kms): 0.33
	Finding, severity	;	<pre><< Gross Observations >> Gross Free-Text Comments</pre>	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZED		
UTERUS	INVOLUTION SITES	SITES	16	
Tissue		\$4 0 E	< xeenopsy mesos >>	
No necropsy memos recorded on animal	s recorded on anim	animal		
Tissue	Histopathold	<pre> <</pre>	<pre><< Pathologic diagnoses / Special histological comments</pre>	
All protocol required tissues normal.	uired tissues	ired tissues normal.		5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA 94129 !y		St	Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 87000519 Day of death: 115	Animal: 87000519 Sex: Female ay of death: 115 Status: NORMAL	! .	EUTHANIZED	Group: 2	Terminal body	Terminal body weight (kms):	1.3 PPT/day 0.31
! !	<pre></pre>	:	8 0 L U	· 0	ns >> r Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
UTERUS	INVOLUTION SITES			n			
Tissue		*	X Recrops X	X	^		
No necropsy memos	No necropsy memos recorded on animal						
Tissue	<pre></pre>	<pre><< P a (gnoses / Sp</pre>	tholog pecial histo	athology Observations/Special histological comments	i o n s		
All protocol requ	All protocol required tissues normal.		•		6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 0 0 6 3 5 0 0 6 6 3 6 5 5 5 5 5 6

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PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley	RANCISCO, CA 94'	129	Stu	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 8700522 Day of death: 130	522		, EUTHANIZED	Group: 2		Dose level: Terminal body weight (kms):	Dose level: sight (kms):	1.3 PPT/day 0.31
Tissue	Finding, severity	×	8 8 0 1 9	O b s e r v	Observations >> Gross Free-Text Comments	6 6 7 9 8		
WHOLE BODY	NO LESIONS RECOGNIZED	OGNIZED	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
UTERUS	INVOLUTION SITES	ES		14				
Tissue Suce	Necropsy memos		<< > × × × × × × × × × × × × × × × × × ×		^^		1 1 1 1	4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
No necropsy memos recorded on animal	s recorded on animal	imal	0 0 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Tissue	Mistopathologic diagnoses	<pre><< p c diagnoses /</pre>	Pathology Observations / Special histological comments	ogical comment	· < ations >>			8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
All protocol required tissues normal.	uired tissues normal.	rmal.	6 6 7 8 8 8 9 1 1 1 1		• 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individual Study	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 89
RAT/Sprague-Dawley	FKANCISCO, CA 94129 ey		Study St	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000529 Day of death: 115	00529			Group: 2 Terminal body weight (kms):	1.3 PPT/day 6.31
Tissue	Tissue Finding, severity	¥	8 8 0 1 5	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	ED	\$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 3 5 5 5 6 6 6 5 5 6 5 5 6 5 6 5 6 5 6 5
UTERUS	INVOLUTION SITES			13	
Tissue	Necropsy memos		>>	X 50 E 9 T	
No necropsy memos					
Tissue	<< Histopathologic diagnoses		athology /Special histological	athology Observations >>/	
All protocol requ	All protocol required tissues normal.	• • • • • • • • • • • • • • • • • • •		1	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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PRESIDIO OF SAN FR/ RAT/Sprague-Dawley	N FRANCISCO, CA wley	94129	15	~		TERATOLOGY/
Animal: 87000531 Day of death: 133	00531	Female NORMAL,	EUTHANIZED	Group: 2 Termin	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.27
Tissue	, !		S S O L U S >>	Observations VV Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGNIZED	· · · · · · · · · · · · · · · · · · ·			
UTERUS	INVOLUTION SITES	ITES		11		
Tissue	Necropsy memos	80	× × × × × × × × × × × × × × × × × × ×	V V X E ■ X V V O O		
No necropsy me		animal				
Tissue		Alistopathologic diagnoses /	atholog Special hist	Pathology Observations 8/Special histological comments	*	
All protocol requ	:=	red tissues normal.	· · · · · · · · · · · · · · · · · · ·	6 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		\$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

LETTERMAN ARMY INSTITUTE OF RESEARCH	ISTITUTE OF	RESEARCH		Individual Animal Data Dump Table	PRINTED: 16-Apr-90
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RAT/Sprague-Dawley	אל אני אל אלי	74 157		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000533 Day of death: 134	00533	Sex: Femal Status: NORMA	Sex: Female tus: NORMAL,	Sex: Female Group: 2 Sex: Female Status: NORMAL, EUTHANIZED	el: 1.3 PPT/day is): 0.33
Tissue	Finding, severity	everity	٧	Gross Observati	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE	0.		
UTERUS	INVOLUTION SITES	SITES		13	
Tissue	Necropsy memos	SOE		<< xeenyobsy xeess	
No necropsy memos recorded on animal	recorded o	n animat			
Tissuc	Histopatho	logic diag	<pre><< P (gnoses /</pre>	Aistopathologic diagnoses / Special histological comments	
All protocol required tissues normal.	ired tissue	s normal.			

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RAT/Sprague-Dawley	rkancisco, ca 9412 ley	>	8	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000534 Day of death: 133	00534	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2	Terminal body weight (kms):	1.3 PPT/day 0.28
	•		8 8 0 7 9 >>	Observations >>> Gross Free-Text Comments	>> ments	
WHOLE BODY	NO LESIONS RECOGNIZED	NIZED	• • • • • • • • • • • • • • • • • • •	* 2 5 6 5 5 6 7 5 5 6 7 5 6 7 6 7 6 7 6 7 6	, , , , , , , , , , , , , , , , , , , ,	4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
UTERUS	INVOLUTION SITES			15		
Tissue	Necropsy memos		Z	Necropsy Resos >>		
No necropsy memos		† 				
Tissue	<pre>* * * * * * * * * * * * * * * * * * *</pre>	<< P diagnoses /	atholog Special histo	Pathology Observations s/Special histological comments	^^ ×	
All protocol req	.2	al.				

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PRESIDIO OF SAN FR/ RAT/Sprague-Dawley	PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley		S	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000536 Day of death: 133	00536	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2 Terminal body	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.29
•	!	¥	S C L D	Observations >>> Gross Free-Text Comments		6 9 9 9 9 9 9
WHOLE BODY	NO LESIONS RECOGNIZED	9	• • • • • • • • • • • • • • • • • • •			
UTERUS	INVOLUTION SITES			10		
Tissue			× ×	Recropsy Mesos >>		2 0 0 4 5 0 0 0 0 0 0 0
No necropsy memo:	No necropsy memos recorded on animal					
Tissue	************************************	0 VV	atholog Special hist	Pathology Observations >> s/Special histological comments	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
All protocol req	Ξ					

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RAT/Sprague-Dawley	,	73.57		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000544 Day of death: 128	00544	544 Status: NORMA	Sex: Female tus: NORMAL,	e L, EUTHANIZED Group: 2 Terminal body weight (kms):	1.3 PPT/day 0.32
Tissue	Finding, severity	everity	*	C G T O S S O D S & T Y & T I	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGN 1 ZE	9		0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	SITES		n	
Tissue	Necropsy memos	E 30 S	•	<< Recropsy Tealos >>	
No necropsy memos recorded on animal	recorded or	animat			
Tissue Histopathologic dia	Kistopathologic diagnoses	logic diag	P	Aistopathologic diagnoses / Special histological comments red tissues normal.	0 0 0 0 0 0 0 0 0

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF PATH SERV G	RESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012F	ole S		PRINTED: 16-Apr-90 Page: 95
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, C By	A 94129	St	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000549 Day of death: 134	000549	7000549 Sex: Female 34 Status: NORMAL,	EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose level: ight (kms):	1.3 PPT/day 0.32
	Finding, severity	<pre>/* Finding, severity</pre>	8 8 0 1 9	Observations >>>	s >> Dmments		
WHOLE BODY	NO LESIONS RECOGNI	NO LESIONS RECOGNIZED					
UTERUS	INVOLUTION SITES	SITES		15			
Tissue		808	× × × × × × × × × × × × × × × × × × ×	Y SOEUX Y SO		3 3 1 1 1 1 1	
No necropsy memos recorded on animal	s recorded o	n animal					
Tissue		<pre>Aistopathologic diagnoses /</pre>	atholog Special histo	athology Observations >> / Special histological comments	*		6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
All protocol required tissues normal.	uired tissue	s normal.					

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 By	Stu	Study Start Date: 21-Jul-87	37	TERATOLOGY/
Animal: 8700808 Day of death: 170	00808	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	l: 1.3 PPT/day): 0.32
		¥	Observations >> Gross Free-Text Comments	s v Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	8 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
UTERUS	INVOLUTION SITES		16		
Tissue	Necropsy memos	** ** ** ** ** ** ** ** ** ** ** ** **	CTODSY MEBOS >>	^	
No necropsy memos	No necropsy memos recorded on animal				
Tissue	A Pathology Observations Histopathologic diagnoses / Special histological comments	Pathology s/Special histol	Observati logical comments	^^	
All protocol requi	All protocol required tissues normal.	0 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			

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PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley Animal: 87000828 Sex: Female Animal: 87000828 Sex: Female Sex: Female Day of death: 147 Status: NORMAL, EUTHANIZED Gross Fee-Text Comments Tissue Finding, severity WHOLE BODY NO LESIONS RECOGNIZED UTERUS INVOLUTION SITES <- N e c r o p s y M e m o s >> Tissue Necropsy memos No necropsy memos recorded on animal P a t h o l o g y O b s e r v a t i o n s >> Tissue Histopathologic diagnoses / Special histological comments	LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	_	Indiv	Individual Animal Data Dump Table Study Number: 87012F	able	PRINTED: 16-Apr-90 Page: 97
Sex: Female Group: 2 Terminal body weight (kms):	PRESIDIO OF SAN F RAT/Sprague-Dawle	FRANCISCO, CA 94129 EY		St	udy Start Date: 21-Jul-8	L 1	TERATOLOGY/
Finding, severity O Gross Free-Text Comments NO LESIONS RECOGNIZED INVOLUTION SITES AN ME C C D S Y Memos >>> Necropsy memos Y memos recorded on animal AN Mistopathologic diagnoses / Special histological comments	Animal: 870 Day of death: 147	00828	C: Female	EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.40
NO LESIONS RECOGNIZED INVOLUTION SITES AN ECTOPS WHEMOS Wecropsy memos Histopathologic diagnoses / Special histological comments	1 1 1 1 1 1	Finding, severity	Ÿ	8 8 0 L D	Observation	s vv Comments	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Necropsy memos Necropsy memos Necropsy memos Necropsy memos recorded on animal Nistopathologic diagnoses / Special histological comments	:	NO LESIONS RECOGNI	IZED				
<pre><< Necropsy Memos >> </pre> <pre><< Pathology Observations >> gnoses / Special histological comments</pre>	UTERUS	INVOLUTION SITES			7		
<pre><< Pathology 0bservations >> gnoses / Special histological comments</pre>	Tissue	Necropsy memos				^	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
<pre>c< Pathology 0bservations >> gnoses / Special histological comments</pre>	No necropsy memos	s recorded on animal					
		Histopathologic di	A A P	atholog Special histo	y Observati logical comments	۸۸ هـ تـ ٥	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF RE: PATH SERV GP	SEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012F	ita Dump Table : 87012F			PRINTED: 16-Apr-90 Page: 98
RAT/Sprague-Dawley	ey	4. 1.2.4			Study Start Date: 21-Jul-87	: 21-Jul-87			TERATOLOGY/
Animal: 87000844 Sex: Female Day of death: 185 Status: NORMAL,	00844	Sex: Female Status: NORMAL	emale Ormal,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2	8	Dose level: Terminal body weight (kms):	Dose level:	1.3 PPT/day 0.31
0 0 0 0 0	Finding, severity		¥	8 0 L G >>	O b s e r <	Observations >> Cross Free-Text Comments			
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGN 1 ZED		1 1 7 8 9 9 9 9 9 9 9	, , , , , , ,				
UTERUS	INVOLUTION SITES	ITES			11				
Tissue				* Recrops	!	X			
No necropsy sesos recorded on anissi	s recorded on anim	:	! ! ! ! !	1 1 1 1 1 1 1 1 1					
Tissue		sic diagn	oses /	st h o l o g Special histo	y Obser	Aistopathologic diagnoses / Special histological comments	^		
All protocol required tissues normal.	uired tissues	normal.							

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LETTERNAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF RESEA	ARCH	Individual Animal Data Dump Table Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 99
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 941 by	621	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000854 Day of death: 168	00854	Status: NORMAL,	Group: 2 Dose level: EUTHANIZED Group: 2 Terminal body אפופאר (kms): (1.3 PPT/day 0.33
)) 	Finding, severity	ity	Gross Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	OGNIZED		
UTERUS	INVOLUTION SITES	S H	15	
Tissue				
No necropsy memos recorded on animal	s recorded on animal	1 1 1 1 1 1		
			athology Observ Special histological comments	:
All protocol required tissues normal.	uired tissues normal.			0 0 0 0 0 0 0 0 0 0 0

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LETTERMAN ARNY IN DIV OF RES SUPP, PRESIDIO OF SAW F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAW FRANCISCO FA 02120	* -	Indivi	Individual Animal Data Dump Table Study Number: 87012F	p Table F		۵.	PRINTED: 16-Apr-90 Page: 100	r-90
RAT/Sprague-Dawley	EY		Stu	Study Start Date: 21-Jul-87	1-87			TERATOLOGY/	LOGY,
Animal: 87000864 Day of death: 170	00864	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose level:	evel: kms):	1.3 PPT/day 0.35	
Tissue	Finding, severity		\$ \$ 0 L U >>	Observations >> Gross Free-Text Comments	ons >> xt Comments	1 1 1 1 1 5	1 1 5 1 1 1	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
WHOLE BODY	NO LESIONS RECOGNIZED	IZED							
UTERUS	INVOLUTION SITES			٥					
Tissue	Tissue Necropsy memos No necropsy memos		X	80E * X	^				
Tissue	Histopathologic d	<< P iagnoses /	athology Special histol	Mistopathologic diagnoses / Special histological comments	, v c o				
All protocol requ	All protocol required tissues normal.			6 2 6 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8				:

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PRESIDIO OF SAN FRANCI RAT/Sprague-Dawley Animal: 87000866	DIV OF RES SUPP, PATH SERV GP			Study Number: 87012F	np table ?F			Page: 101
Animal: 87000	NCISCO, CA 94129		st	Study Start Date: 21-Jul-87	11-87			TERATOLOGY/
Day of death: 109	866 Sex: Female Status: NORMAL,	emale ORMAL,	EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose Weight	Dose level:	1.3 PPT/day 0.34
Tissue	rissue Finding, severity	¥	8 0 L U	S Q	ons >> •xt Comments			
WHOLE BODY	NO LESIONS RECOGNIZED	: : : :	6 e e e e e e e e e e e e e e e e e e e					
UTERUS	INVOLUTION SITES			17				
	Necropsy memos	 	** Xecrobs	S O E O E O E O E O E O E O E O E O E O	^			
No necropsy memos recorded on animal	recorded on animal							
Tissue Mistopathologic dia		<pre></pre>	tholog Special histo	sthology observations >> Special histological comments	, , , , , , , , , , , , , , , , , , ,	; ; ;		

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LETTERMAN ARMY DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012f	PRINTED: 16-Apr-90 Page: 102
RAT/Sprague-Dawley	rkakciscu, ca 74127 ley		St	Study Start Date: 21-Jul-87	21-Jul-87	TERATOLOGY/
Animal: 87000866 Day of death: 182	00886 Sta		, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.33
	Finding, seve	, ,	8 8 0 1 9	s q o	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED		! ! ! ! ! !	• • •		
UTERUS	INVOLUTION SITES			12		
Tissue	Necropsy memos	¥	жесгорзу		~	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy mem	44					
Tissue	<pre>// // // // // // // // // // // // //</pre>		o logial histo	athology Observations//Special histological comments	<pre><ations>> s</ations></pre>	
All protocol rec	All protocol required tissues normal.	•		• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0 5 2 5 0 6 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV G	RESEARCH IP	Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table		PRINTED: 16-Apr-90 Page: 103
PRESIDIO OF SAN FRA RAT/Sprugue-Dawley	KANCISCO, C	A 94129	Š	Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 8700892 Day of death: 172	00892	Sex: Female Status: NORMAL,	emale ORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose level:	1.3 PPT/day 0.30
Tissue	Finding, severity		8 8 9	Observations VV Gross Free-Text Comments	ns >> t Comments		
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED					
UTERUS	INVOLUTION SITES	SITES		٥			
Tissue	Necropsy memos	remos	~ ~ ~		*		
No necropsy memos recorded on animal	recorded o	n animal	· · · · · · · · · · · · · · · · · · ·	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue Histopathologic dia	Histopatho	Kistopathologic diagnoses /	Special hist	Mistopathologic diagnoses / Special histological comments	*		

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 ey	Study Start Date: 21-Jul-87	te: 21-Jul-87	TERATOLOGY/
Animal: 87000900 Day of death: 149	00600	Sex: Female Status: NORMAL, EUTHANIZED	: 2 Dose level: Terminal body weight (kms):	1.3 PPT/day 0.33
Tissue	Finding, severity	<pre></pre>	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	12		
Tissue		* > 0 C O U U V >>	^^	
No necropsy memo	No necropsy memos recorded on animal			
Tissue	Histopathologic diag	Alstopathologic diagnoses / Special histological comments	ervations >> ents	
All protocol req	All protocol required tissues normal.			0 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FKANCISCO, CA	94129		St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000902 Day of death: 169	Animal: 87D00902 Sex: Female of death: 169 Status: NORMAL	Status:	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.35
Tissue	Finding, severity	verity	¥	8 8 0 1 9	O b s e r v a t i o n s >> Gross Free-Text Comments	s	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZI	ED	7 7 7 9 9 9 9 9 9	4 P 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	, , , , , , , , , , , , , , , , , , , ,	
UTERUS	INVOLUTION SITES	SITES			16		
Tissue	Mecropsy memos	SO S		× × × × × × × × × × × × × × × × × × ×		*	
No necropsy memos recorded on animal	recorded on	animat					
Tissue		ogic diag	<pre><< p gnoses /</pre>	atholog Special histo	Aistopathologic diagnoses / Special histological comments	athology Observations >> Special histological comments	
All protocol required tissues normal.	nired tissues	normal.					

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DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012F	Data Dump Table r: 87012F	PRINTED: 16-Apr-90 Page: 106
RAT/Sprague-Dawley	Spreame-balley	Study Start Date: 21-Jul-87	e: 21-Jul-87	TERATOLOGY/
Animal: 8700904 Day of death: 172	00904	Sex: Female Status: NORMAL, EUTHANIZED	2 Dose level: Terminal body weight (kms):	1.3 PPT/day 0.32
	Finding, severity	8 4 G S 8 O F D >>	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	12		
Tissue	Recropsy memos	>> A G O T O B X		
No necropsy memos	No necropsy memos recorded on animal	!		
Tissue	Histopathologic diag	A Pathologic diagnoses / Special histological comments	rvations >> nts	
All protocol redu	All brotocol required tissues norms!	***************************************		8

LETTERMAN ARMY II DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 107
RAT/Sprague-Dawley	FRANCISCO, CA Y4167 BY		St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000908 Day of death: 169	0908	Sex: Female Status: NORMAL,	e L, EUTHANIZED	Group: 2 Terminal bod	Dose level: Terminal body weight (kms):	1.3 PPI/day 0.32
Tissue	Finding, severity	¥	8 8 0 1 5	Observations >> Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1
WHOLE BODY	NO LESIONS RECOGNIZED	ZED	P P P P P P P P P P P P P P P P P P P			
UTERUS	INVOLUTION SITES			14		
Tissue	Mecropsy Benos		× × × × × × × × × × × × × × × × × × ×			
No necropsy memos	-)			6 6 6 8 9 9 9 9 9	3 9 0 0 0 3 3 0 0 0 3 5 0 0 0 0 0 0 0 0 0 0
Tissue	<pre>Mistopathologic diagnoses</pre>	<< P a	atholog Special histo	Pathology Observations >> / Special histological comments		
All protocol requ			0 0 0 0 0 0 0		1	* * * * * * * * * * * * * * * * * * *

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TERATOLOGY/ 1.3 PPT/dey 0.28	Study Start Date: 21-Jul-87 Le Dose level: 1.3 PPT/day AL, EUTHANIZED Terminal body weight (kms): 0.28	Study Start Date: 21-Jul-87 Sex: Female Group: 2 Status: NORMAL, EUTHANIZED	Sex: Female tus: NORMAL,	Sex:	RAT/Sprague-Dawley RAT/Sprague-Dawley Animal: 87000914 Day of death: 185
1.3 PPT/day 0.28	Dose level: Terminal body weight (kms):	Group: 2		Sex: Status:	Animal: 87000914 Day of death: 185
TERATOLOGY/	Jul-87	Study Start Date: 21-		, CA 94129	RAT/Spreame-Dexiev
PRINTED: 16-Apr-90 Page: 108		Individual Animal Data Dump Table Study Number: 87012F		OF RESEARCH V GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP
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Dose level:
Terminal body weight (kms):
O b s e r v a t i o n s >>
Gross Free-Tach S S O L 5 Finding, severity Tissue

NO LESIONS RECOGNIZED INVOLUTION SITES WHOLE BODY UTERUS

Xecropsy gedos **^** X O E O X y s q X e c r o ¥ No necropsy memos recorded on animal Tissue

٨ Ø All protocol required tissues normal.
All protocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP	PATHUTE OF RESE PATH SERV GP	EARCH	Indi	Individual Animal Data Dump Table Study Number: 87012f		PRINTED: 16-Apr-90 Page: 109
RAT/Sprague-Dawley	FKANCISCO, LA YA BY	, 157	S	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000926 Sex: Female Day of death: 169 Status: NORMAL,	0926	Sex: Female Status: WORMAL,	•		Dose level: Weight (kms):	1.3 PPT/day 0.27
•	Finding, severity	rity <<		servations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	NO LESIONS RECOGNIZED	* * * * * * * * * * * * * * * * * * * *	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	• 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8 6 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
UTERUS	INVOLUTION SITES	res		٥		
Tissue	Necropsy memos	!	¥			
No necropsy memos recorded on animal	recorded on anim	nimal				
Tissue	Kistopathologi	<pre></pre>	ntholog Special histo	sthology Observations >> Special histological comments	•	
All protocol required tissues normal.	lired tissues no	orasi.			•	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF REPAIR SERV GP	SEARCH		E	Individual Animal Data Dump Table Study Number: 87012F	sta Dump Table : 87012F		PRINT	PRINTED: 16-Apr-90 Page: 110
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA	94129			Study Start Date: 21-Jul-87	: 21-Jul-87			TERATOLOGY/
Animal: 87000928 Day of death: 175	00928	Sex: Female Status: NORMAL	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 2		Dose level: Terminal body weight (kms):		1.3 PPT/day 0.30
	Finding, severity	erity	¥	80 C	я О	Observations >>> Gross Free-Text Comments	8 9 9 4 6 6		
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGN1ZE							
UTERUS	INVOLUTION SITES	ITES			15				
Tissue	Necropsy memos	s _o			X ANDOLUBY X	74 SOE 9		8 0 3 4 0 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	recorded on a	animal							
Tissue	Histopstholo	gic diag	<< P &	sthold Special hi	A pathology Observations Wistopathologic diagnoses / Special histological comments	r vations ts	^		
All protocol required tissues normal.	ined tissues borgs.	normal		· · · · · · · · · · · · · · · · · · ·					

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF PATH SERV	RESEARCH GP		-	ndiví	dual Animal De Study Number:	Individual Animal Data Dump Table Study Number: 87012F			PRINTED: 16-Apr-90 Page: 111	Apr-90
PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	FRANCISCO,	CA 94129			Stu	Study Start Date: 21-Jul-87	: 21-Jul-87		1	TERATOLOGY/	TERATOLOGY/
Animal: 87000942 Day of death: 170	00942	Sex: Femal Status: NORM	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	_	Group: 2		Dose level: Terminal body weight (kms):	evel: Kms):	1.3 PPT/day 0.31	аy
Tissue	Finding, severity	inding, severity	Ÿ	S S O L D >>	: : : :	y y	Observations >> Gross Free-Text Comments	>> ints	1		1 1 1
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED		6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1 1 1 1						
Tissue		Benos		× ×		X > 0 C C C C C C C C C C C C C C C C C C	AA 80 E U X	0 0 0 0 0 0 0 0 0 0 0 0			
No necropsy memos recorded on animal	os recorded	on animal									
Tissue Histopathologic dia	Histopath	fstopathologic diagnose:	<< P gnoses /	sthol Special h	o g y istol	Pathology Observat /Special histological comments	Mistopathologic diagnoses / Special histological comments red tissues normal.	^			•

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RAT/Sprague-Dawley	wley	CA 74 127		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000948 Sex: Day of death: 171 Status:	8	948 Status: NORMA	Sex: Female tus: NORMAL,	Group: 2	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.33
Tissue	Finding,	Finding, severity	V	8 Q O S S S O L D		1
UHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED			D D D D D D D D D D D D D D D D D D D	6 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
UTERUS	INVOLUTION SITES	N SITES		14		
Tissue		Mecropsy memos	• • • •	<< repropsy resos >>		
No necropsy memos recorded on animal	mos recorded	on animal				
Tissue	Nistopath	lotogic diag	<pre>/</pre>	Aistopathologic diagnoses / Special histological comments	*	
All protocol required tissues normal.	rotocol required tissues normal.	ies normal.	• • • • •			1

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RAT/Sprague-Dawley	ley	<u>.</u>	35	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000958 Day of death: 154	00958		, EUTHANIZED	Group: 2 Terminal	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.40
Tissue		¥	8 8 0 5 5	Observations >>> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	OGNIZED	• • • • • • • • • • • • • • • • • • •			E 9 5 6 6 9 9 9 9 9 9 8 6 8 8 8 8 8 8 9 9 9 9
Tissue	Necropsy memos		<< Necropsy	opsy xesos >>		
UTERUS	SPERN POSITIVE 28 DAYS BEF	28 DAYS BEFO	RE SACRIFICE.	SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.		
Tissue	* Mistopathologic diagnoses	c diagnoses /	atholog Special histo	athology Observations ? / Special histological comments	·\$	
All protocol req	All protocol required tissues normal.	rmel.				

LETTERMAN ARMY INSTITUTE OF RESEARCH	ISTITUTE OF RESE		Indi	Individual Animal Data Dump Table	PRINTED: 16-Apr-90
PRESIDIO OF SAN P	PAIR SEKV UP RANCISCO, CA 94	129		Study Rumber: 6/0127	+
RAT/Sprague-Dawley	À		S	Study Start Date: 21-Jul-87	TERATOLOGY
Animal: 87000960 Day of death: 171	09600	Sex: Female Status: NORMAL, EUTHANIZED	, EUTHANIZED	Group: 2 Terminal body weight (kms):	1.3 PPT/day
	Finding, severity		8 8 0 1 1 >>	Observations >>> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	OGNIZED			
UTERUS	INVOLUTION SITES	ES		14	
i sa ce	Necropsy memos		X	<< ***********************************	
No necropsy memos recorded on animal	recorded on an	imal			
Tissue		44 gnose	atholog / Special hist	Pathology Observations >> s/Special histological comments	
All protocol required tissues normal.	lired tissues normal.	rae(.	* * * * * * * * * * * * * * * * * * *		

PRESIDIO OF SAN FRANCISCO, CA 94129 RAI/Sprague-Dawley Animal: 37000964 Sex: Female Animal: 37000964 Sex: Female Day of dearth: 171 Status: NORMAL, EUTHANIZED Group: 2 Terminal body weight (kms): 0.35 Tissue No LESIONS RECGNIZED UTERUS INVOLUTION SITES A N e C r o p s y M e m o s >> Tissue No necropsy memos recorded on animal A netopathologic diagnoses / Special histological comments Histopathologic diagnoses / Special histological comments	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF PATH SERV G	RESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table		PRINTED: 16-Apr-90 Page: 115
00964 Sex: Female Group: 2 Terminal body weight (kms): 0.35 Status: NORMAL, EUTHANIZED Group: 2 Terminal body weight (kms): 0.35 **C G G G S S G B S G V A t i on S ** Finding, severity NO LESIONS RECOGNIZED INVOLUTION SITES **A M e G G G S S G B S G G S G S G S G S G S G	PRESIDIO OF SAN RAT/Sprague-Dawl	FRANCISCO, C ey	:A 94129		15	tudy Start Date: 21-Jul	-87		TERATOLOGY/
Finding, severity NO LESIONS RECOGNIZED INVOLUTION SITES AND RECORDED AND RECORDED	Animal: 87	79600	Sex: Status:	Female NORMAL,	EUTHANIZED	Group: 2	Dose Terminal body weight	tevet: (kms):	1.3 PPT/day 0.35
NO LESIONS RECOGNIZED INVOLUTION SITES AND METOPSY MEMOS Y MEMOS recorded on animal Nistopathologic diagnoses / Special histological comments	Tissue	Finding, s	everity	V	8 8 0 L 9		ns >> t Comments	, , , , ,	1 9 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Necropsy memos Topsy memos recorded on animal As Pathology Observations Nistopathologic diagnoses / Special histological comments	WHOLE BODY	NO LESTONS	RECOGNIZA	:	- 0 1 1 1 5 6 6 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8				
<pre><< Necropsy Memos >> </pre> <pre><< Pathology Observations agnoses / Special histological comments</pre>	UTERUS	INVOLUTION	SITES			12			
<pre><< Pathology Observations agnoses/Special histological comments</pre>	Tissue						^		
Aistopathologic diagnoses / Special histological comments	No necropsy memo	s recorded o	on animal	; ; ; ; ; ;					
	Tissue	Histopatho	ologic dia	<pre>c b gnoses /</pre>	atholog Special hist	y Observat	•	# 	

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LETTERMAN ARMY INSTITUTE OF RIDIN OF RES SUPP, PATH SERV GP	DIV OF RES SUPP, PATH SERV GP	Indivi	Individual Animal Data Dump Table Study Number: 87012F	a Dump Table 87012f	<u>a</u>	PRINTED: 16-Apr-90 Page: 116
RAT/Sprague-Dawley			Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000415 Day of death: 98	000415	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3	at body we	Dose level: ight (kms):	4.0 PPT/day 0.26
	Finding, severity	8 O L U	Observa Gross Fr	Observations >>> Gross Free-Text Comments		
UTERUS	WHITE SPOTS	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7			
		<< Necropsy		~~ SOE U X		
UTERUS		SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.	NO LITTER DELIV	ERED.		
Tissue	Mistopathologic diagr		ogical comments	< a t : 0 n s > >		
UTERUS	INFLANMATION, LYMPHOCYTIC DILATED LUMEN, Mild, Diff	INFLANMATION, LYMPHOCYTIC, Slight, Multifocal. DILATED LUMEN, Mild, Diffuse.	cal.			

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LETTERNAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE (OF RESEARCH V GP			Indivi	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012f		_	PRINTED: 16-Apr-90 Page: 117
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, ey	, CA 94129			Stu	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000417 Day of death: 133	000417 3	Sex: Fema Status: NORM/	Female NORMAL,	Le AL, EUTHANIZED	g	Group: 3		body we	Dose level: ight (kms):	4.0 PPT/day 0.30
Tissue	Finding,	Finding, severity	*	S O L D >>	v	Observ Gross F	t i o ee-Text			
WHOLE BODY	NO LESIO	NO LESIONS RECOGNIZED		• • • • •	! ! !					
UTERUS	INVOLUT	INVOLUTION SITES				14				
Tissue	Necropsy memos	Y memos		• *		ж У « С о г о в ж	^^ % O E e		1 1 2 3 1 1	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	s recorder	d on animal	,							
Tissue	Histops	************************************	<pre> <</pre>	thol Special	o g y	Pathology Observations s/Special histological comments		^		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
All protocol required tissues normal.	uired tiss	sues normal.								

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LETTERMAN ARNY IS DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Inc	Individual Animal Data Dump Table Study Number: 87012F	sta Dump Ta : 87012F	sble		PRINTED: 16-Apr-90 Page: 118
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 ey			Study Start Date: 21-Jul-87	: 21-Jul-87			TERATOLOGY/
Animal: 87000420 Day of death: 119	00420 Sta	e E C	L. EUTHANIZED	Group: 3		Dose level: Terminal body weight (kms):	Dose level: sight (kms):	4.0 PPT/day 0.29
Tissue	Finding, severity		8 8 0 L G >>	Observations >> Gross Free-Text Comment	Gross Free-Text Comments	s >> Comments	1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
TAIL	DIARRHEA STAINING	1 5 8 9 1 1	• • • • • • • • • •					
UTERUS	INVOLUTION SITES			16				
Tissue	Mecropsy memos		0 æ	× α α ο ι ι υ υ υ π	(S O E	^	1	8 9 9 9 8 8 9 9 9
No necropsy memor	No necropsy memos recorded on animal	! ! !	• • • • • • • • • • • • • • • • • • •					
Tissue	< <p>Histopathologic diagnoses</p>	<pre><< P agnoses</pre>	atholo / Special his	Pathology Observations s/Special histological comments	r vatio ts	^		
All protocol requ	All protocol required tissues normal.	•		0	• • • • • • • • • • • • • • • • • • •			

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley		Study Start Date: 21-Jul-87	TERATO	TERATOLOGY/
Animal: 87000422 Day of death: 98	•	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3 Terminal body weight (kms):	4.0 PP 0.23	>
Tissue	Finding, severity	S S C C S >>	s Observations VV Gross Free-Text Comments		1 1 1
WHOLE BODY	NO LESIONS RECOGNIZED	ED			
UTERUS	INVOLUTION SITES		7		
Tissue	Necropsy memos	2	A SOE DE A Y SOCOLUBIA		•
No necropsy memos	No necropsy memos recorded on animal				
Tissue		<pre><< p a t h o l gnoses / Special </pre>	Aistopathologic diagnoses / Special histological comments		
All protocol requi					

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RAT/Sprague-Dawley	**************************************	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000427 Day of death: 122	0427 Sex: Fema Status: NORM	Group: 3 Dose level: Dose level: Terminal body weight (kms):	4.0 PPT/day 0.29
Tissus	<pre>/* Finding, severity</pre>	<pre><< Gross Observations >> Gross Free-Text Comments</pre>	8 8 8 9 4 4 4 4 1 9 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
WHOLE BODY	NO LESIONS RECOGNIZED		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
UTERUS	INVOLUTION SITES	13	
Tissue	Necropsy Besos	<< SOEDY ASOCIODS >>	
No necropsy memos	recorded o		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	<pre></pre>	Aistopathologic diagnoses / Special histological comments	
All protocol requ	All protocol required tissues normal.		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV (RESEARCH		Indi	Individual Animal Data Dump Table Study Number: 87012F	Table			PRINTED: 16-Apr-90 Page: 121
PRESIDIO OF SAN FR. RAT/Sprague-Dawley	FRANCISCO, (ey	CA 94129		w	Study Start Date: 21-Jul-87	-87			TERATOLOGY/
Animal: 87000432 Day of death: 119	700432 Sex: Female 19 Status: NORHAL,	Status	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	Dose level: Weight (kms):	evel: kms):	4.0 PPT/day 0.29
	Finding, severity	severity	¥	8 8 0 L	G b s e r v a t i o n s v v Gross Free-Text Comments	n s >> t Comments			
TAIL	DIARREA STAINING	STAINING	1 1 1 1 1 1	2 4 5 5 6 7 7 8 8 8 8					
UTERUS	INVOLUTION SITES	N SITES			15				
Tissue					Recropsy Kennos	^			
No necropsy memos recorded on animal	s recorded o	on animal	1 1 1 1 1	1 1 1 1 1 1 1 1 1					
Tissue		/ ************************************	on by	atholog Special hist	athology Observations Special histological comments	bservations >> comments	4 9 4 1 9	•	1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
All protocol required tissues normal.	uired tissu	es normel.							

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DIV OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH		Indi	Individual Animal Data Dump Table Study Number: 87012f	ita Dump Table 87012F		PR:NTED: 16-Apr-90 Page: 122	06
RAT/Sprague-Dawley	PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Spregue-Dawley		σ,	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/	.0GY/
Animal: 87000435 Day of death: 122	00435 Sta	Sex: Female tus: NORMAL	ale Mal, Euthanized	Group: 3	Group: 3 Terminal body weight (kms):	Dose level: weight (kms):	4.0 PPT/day 0.30	
Tissue	Finding, severity	¥	\$ \$ C L C) \$ \$	O b s e r v	Observations >>> Gross Free-Text Comments			
WHOLE BODY	EMACIATION, Trace		; ; ; ; ; ;	, p 2	, d e s d d a s e d d d e d a d e d e d e d e d e d e d		5 1 2 3 4 6 6 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8	• • •
UTERUS	INVOLUTION SITES			4				
Tissue			X >>	×	^^			
No necropsy memos	No necropsy memos recorded on animal							
I ssue		c P	atholog Special hist	y Obserological comment	. < se t o > > >			1
All protocol requi	All protocol required tissues normal.		0 1 1 1 0 0 0 0 0			6 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

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RAT/Sprague-Dawley	ey	74 167		v	Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 87000436 Sex: Female Day of death: 100 Status: NORMAL	Animal: 07000436 Sex: Femalof death: 100 Status: NORMAI	Status:	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	Dose level:	4.0 PPT/day 0.30
Tissue	Finding, severity	verity	¥	S S O L U	0 b s e r v a t i o n s >> Gross Free-Text Comments	n s >> t Comments	1	1
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE	0				8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Tissue	Necropsy memos	SOE		Z >>	Necropsy Kemos >>	^		
UTERUS	SPERH POSITIVE 25 DAYS BEF	IVE 25 DA	YS BEFO	ORE SACRIFICE.	ORE SACRIFICE. NO LITTER DELIVERED.	• 1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	* Nistopatho(ogic diagnoses	ogic diag		atholog Special hist	athology Observations /Special histological comments	** & & C O L		

All protocol required tissues normal.

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Ī	Individual Animal Data Dump Table Study Number: 87012F	ita Dump Table : 87012F	PRINTED: 16-Apr-90 Page: 124
RAT/Sprague-Dawley	BY		Study Start Date: 21-Jul-87	: 21-Jul-87	TERATOLOGY/
Animal: 87000443 Day of death: 119	10443	Sex: Female Status: NORMAL, EUTHANIZED		:	:
Tissue	Finding, severity		Obser Gross	Observations >> Gross Free-Text Comments	
UTERUS	INVOLUTION SITES	4 2 4 5 4 5 4 5 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	6	, , , , , , , , , , , , , , , , , , ,	
LIVER	WHITE AREAS ON CAPSULE	<u> </u>			
1 is a constant of the constan	Hecropsy memos	# * *	<< Recrops Y Me	**	
LIVER	APPEARANCE PROBABLY DUE TO	DUE TO EUTHANASIA SOLUTION.	SOLUTION.		
Tissue	Histopathologic diagnoses	<pre><< Patholo oneses / Special his</pre>	athology Observations /Special histological comments	. < a t i o n s vv is	

All protocol required tissues normal.

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PRESIDIO OF SAM FRA RAT/Sprague-Dawley	FRANCISCO,	, CA 94129		St	Study Start Date: 21-Jul-87	: 21-Jul-87		TERATOLOGY/
Animal: 87000444	700	44 Sex: Female Status: NORMAL,	Sex: Female tus: NORMAL,	EUTHANIZED	Group: 3		Dose level: Terminal body weight (kms):	4.0 PPT/day 0.27
:	:	<pre>Finding, severity</pre>	¥	8 8 0 1 9	Observ Gross f	Observations >> Gross Free-Text Comments		
WHOLE BODY		NO LESIONS RECOGNIZED		8 P 0 9 8 8 8 8 8 8 8 8 8 8		9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Tissue	Necropsy memos	r memos		<pre></pre>		X 6 3 0 8 V V		
UTERUS	SPERM PC	DSITIVE 25 DAN	S BEFO	RE SACRIFICE.	SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.	IVERED.	0 0 0 0 0 0 0 0 0 0 0 0 0	
Tissue		Alstopathologic diagnoses / P. M. Stopathologic diagnoses /	/ sesou	atholog Special histo	y 0 5 s e l logical comment	ethology Observations >>/		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
All protocol required tissues normal.	uired tiss	sues normal.						

LETTERMAN ARM DIV OF RES SUI	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	RESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 126
RAT/Sprague-Dawley	AN FRANCISCO, C Bwley	A 94129	8	Study Start Date: 21-Jul-87		TERATOLOGY/
Arimal: 87D Day of death: 102	Arimal: 87000453 death: 102	ب ب	EUTHANIZED	Group: 3 Termin	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.29
Tissue	;	¥		Observations >> Gross Free-Text Comments	Ø	
WHOLE BODY		NO LESIONS RECOGNIZED				
Tissue	Necropsy memos	e a o s	>> X C O L O B X >>	<		
UTERUS	SPERM POST	TIVE 24 DAYS BEFOI	RE SACRIFICE.)		
Tissue		<pre>/< P Mistopathologic diagnoses /</pre>	atholog Special histo	Pathology Observations s/Special histological comments	^	
All protocol		s normal.				

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LETTERMAN ARMY INSTITUTE OF RESEARCH	NSTITUTE OF RESEVENT	ARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012F	U	PRINTED: 16-Apr-90 Page: 127
RAT/Sprague-Dawley	FRANCISCO, CA 94 ey	67 1	St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000455 Day of death: 102	00455	Sex: Female Status: NORMAL, EUTHANIZED	, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.36
Tissue	Finding, severity	¥	8 8 0 1 9	Observations >> Gross Free-Text Comments	>> ments	
WHOLE BODY	NO LESIONS RECOGNIZED	•		4 1 4 4 5 1 1 1 2 2 3 4 5 1 1 1 1 2 2 3 4 5 5 6 6 7 2 4 7 3 7 4 7 5 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	:	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Tissue	Necropsy memos		* * * * * * * * * * * * * * * * * * *			,
UTERUS	SPERM POSITIVE	24 DAYS BEF	DRE SACRIFICE.	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.		
Tissue	** ** ** ** ** ** ** ** ** ** ** ** **	c diagnoses	atholog Special histo		^^ s	

All protocol required tissues normal.

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DIV OF RES SUPP,	DIV OF RES SUPP, PATH SERV GP	-	Individual Animal Data Dump Table Study Number: 87012F	ita Dump Table : 87012F	PRINTED: 16-Apr-90 Page: 128
RAT/Sprague-Dawley	FKANCISCO, CA 94129 By		Study Start Date: 21-Jul-87	: 21-Jul-87	TERATOLOGY/
Animal: 87000456 Day of death: 122	00456		Group: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.29
Tissue	Tissue Finding, severity	8 0 L 5 >>	s q 0	Observations >>> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	Q			
UTERUS	INVOLUTION SITES		10		
Tissue	Mecropsy menos	* * * * * * * * * * * * * * * * * * * *	X COODSX	X	
No necropsy memos	No necropsy memos recorded on animal				
Tissue	** ** ** ** ** ** ** ** ** ** ** ** **	<pre><< P a t h o l inoses / Special h</pre>	Pathology Observations s/Special histological comments	· vations >>	
All protocol regu	A! brotocol required tissues normal.		****		

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV GI	RESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012F	ā.	PRINTED: 16-Apr-90 Page: 129
PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	RANCISCO, C.	A 94129	St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000459 Day of death: 123	00459		EUTHANIZED	Group: 3 Terminal body weight (kms):	Dose level: ight (kms):	4.0 PPT/day 0.31
;	Finding, severity	¥	N O L U	bservation Gross Free-Text		
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED	1		1 1 1 1 1 1 1 1	
UTERUS	INVOLUTION SITES	SITES		9		
Tissue			× × × × × × × × × × × × × × × × × × ×			
No necropsy memos recorded on animal	recorded or	n animal				
Tissue Mistopathologic dia	Mistopatho	Xistopathologic diagnoses /	Special histo	Aistopathologic diagnoses / Special histological comments red tissues normal.		

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		ä	divid	ual Animal Da Study Number:	Individual Animal Data Dump Table Study Number: 87012F			_	PRINTED: 16-Apr-90 Page: 130
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	KANCISCO, CA 94129 Py			Study	Study Start Date: 21-Jul-87	21-Jul-87				TERATOLOGY/
. 60	00466 Sta	Female	, EUTHANIZED		Group: 3		Dose level: Terminal body weight (kms):	Dose level: eight (kms):	evel: Kms):	4.0 PPT/day 0.29
Tissue	Finding, severity	*	8 8 0 1 5		Observ Gross F	Observations >>>) ts			
WHOLE BOOT	NO LESIONS RECOGNIZED	0	• • • • •	•						
UTERUS	INVOLUTION SITES				12					
Tissue	Mecropsy Belos	:		X e c r o p s y		ж е в о s >>		1		
No necropsy memos										
Tissue	<pre><< P Kistopathologic diagnoses</pre>	<< P a	tholo Special hi	stolog	Obser jical comment	athology Observations / Special histological comments	*			
All protocol requi	All protocol required tissues normal.				• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • •

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indivi	Individual Animal Data Dump Table Study Number: 87012F	Table	PRINTED: 16-Apr-90 Page: 131
PRESIDIO OF SAW FRA RAT/Sprague-Dawley	RANCISCO, CA 94129 !y		Stu	Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 87000469 Day of death: 123	00469	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.33
Tissue	Tissue Finding, severity	¥	8	Observations >> Gross Free-Text Comments	ns >> t Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	ED	1 1 1 1 1 1 1 1 1 1 1			
UTERUS	INVOLUTION SITES			51		
Tissue	Necropsy memos		X	SOE UE A SOE	^	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
No necropsy memos	No necropsy memos recorded on sniss!					
Tissue		<pre>c b gnoses /</pre>	Special histol	Aistopathologic diagnoses / Special histological comments red tissues normal.	*	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV, GP PRESIDIO OF SAN FRANCISCO, CA 04120	NSTITUTE OF RESEA PATH SERV, GP	IRCH	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 132
RAT/Sprague-Dawley	/Sprague-Dawley	<u> </u>	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000471 Sex: 1 Day of death: 130 Status: 1	00471	Sex: Femal	e Group: 3	4.0 PPT/day 0.29
Tissue	Finding, severity	•	Y)
WHOLE BODY	NO LESIONS RECOGNIZED	GNIZED	# #	: : : : : : : : : : : : : : : : : : :
UTERUS	INVOLUTION SITES	s	12	
Tissue Mecropsy memos	Necropsy memos recorded on ani	emos n animal	< regions y reads >>	
Tissue Mistopathologic dia	Histopathologic	<pre></pre>	Kistopathologic diagnoses / Special histological comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
All protocol required tissues normal.	iired tissues nor	mal.		

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, 1	CA 94129	St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000478 Day of death: 128	00478	Sex: Feasle Status: NORMAL	EUTHANIZED	Group: 3 Termi	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.29
•	Finding, severity	< <sseverity< th=""><td>8 8 0 1 1</td><td>Observations >>> Gross Free-Text Comments</td><td>,</td><td></td></sseverity<>	8 8 0 1 1	Observations >>> Gross Free-Text Comments	,	
WHOLE BODY	NO LESIONS RECOGNI	NO LESIONS RECOGNIZED				
UTERUS	INVOLUTION SITES	N SITES		13		
Tissue			Z >>			
No necropsy memos recorded on animal	recorded on an	on animal				
93 8 8 1 1	Histopath	4 × P	atholog Special histo	athology Observations / Special histological comments	*	
All protocol required tissues normal.	ured tissu	es normel.				

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RAT/Sprague-Dawley	EV		••	Study Start Date: 21-Jul-87	te: 21-Jul	-87			TERATOLOGY/
Animal: 87000480 Day of death: 130	00480	Sex: Female itus: NORMAL,	Status: NORMAL, EUTHANIZED	Group: 3		Dose level: Terminal body weight (kms):	Dose level: Weight (kms):	(kms):	4.0 PPT/day 0.31
Tissue	•	¥	8 S O L U	O b s e T	vatio	Observations >> Gross Free-Text Comments			
WHOLE BODY	NO LESIONS RECOGNIZED	9		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 1 1 1 1 1	# \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			5 2 5 8 9 9 9 9 5 6 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
UTERUS	INVOLUTION SITES			14					
Tissue	Necropsy memos		U	Necrobs Y		^			
No necropsy memos	No necropsy memos recorded on animal				•				
Tissue	A state of the state of	<pre></pre>	tholog	y Obsical commo	ervat ents	i o n s			
All protocol requi	All protocol required tissues normal.	• • • • •			· · · · · · · · · · · · · · · · · · ·	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			6 4 6 6 6 6 1 1 5 5 5 5 5 5 5 5 7 9 0

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PRESIDIO OF SAW FRANCISCO, CA 94129 RAT/Sprague-Dawley	FRANCISCO, CA	94129		S	Study Number: 6/012F Study Start Date: 21-Jul-87		rage: 133 TERATOLOGY/
Animal: 87000486 Day of death: 108	00486	Sex: Female Status: NORMAL	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.34
:	Finding, s	everity <<	¥	S S O L G	Observations >>> Gross Free-Text Comments	s >>	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZ	•	6 6 6 6 6 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8			1
Tissue	Necropsy memos	80E		× × ×	Xecropsy Xeaos	٠	
UTERUS	SPERM POSITIVE	IVE 24 D.	AYS BEFOI	RE SACRIFICE.	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.		
Tissue Nistopathologic diagnoses /	Mistopathologic diagnoses	ogic dia	< · p	stholog Special hist	athology Observations >> / Special histological comments	^^	

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RAT/Sprague-Dawley	ey			Š	Study Start Date: 21-Jul-87	1-87			TERATOLOGY/
Animal: 87000489 Day of death: 106	Animal: 87000489 Sex: Femal f death: 106 Status: NORMA	Status	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3 Termina	Terminal	Terminal body Weight (kms):	Dose level:	4.0 PPT/day 0.41
Tissue	Finding, severity	everity	*	8 0 5	Observations >>> Gross Free-Text Comments	ons >> xt Comments			
UTERUS	WHITE SPOTS	46			2	· · · · · · · · · · · · · · · · · · ·	• • • • • • •	1 1 1 1 1 1	v 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Tissue	Necropsy memos	SOE		>>		*			
UTERUS	SPERM POSI	TIVE 24 DA	VYS BEFO	RE SACRIFICE.	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.				
Tissue	Histopathol	ogic diag	<< P a	atholog Special histo	A sthologic diagnoses / Special histological comments		*		
All protocol regiment thesise porget	senset tenen	. normal							

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV G	RESEARCH P		Indivio	Individual Animal Data Dump Table Study Number: 87012F	Table	PRINTED: 16-Apr-90 Page: 137
RAI/Sprague-Dawley	KANCISCO, C.Y	A 94129		Stuc	Study Start Date: 21-Jul-87	87	TERATOLOGY/
Adimal: 87000490 Sex: Female Day of death: 128 Status: NORMAL	00490	Sex: Female Status: NORMAL		, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	
Tissue	Finding, severity	1		8 8 0 1 9	Te o	n s >> . Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGN 1 ZE	۵	4 1 1 4 4 4 1 1 1 1 1 1 1 1	2 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	0 0 P U 0 P E P E P E B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1
UTERUS	INVOLUTION SITES	SITES			13		
Tissue	Xecropsy memos	e 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		× × × × × × × × × × × × × × × × × × ×	S O E U X X Q	•	
No necropsy memos: recorded on animal	recorded or	n anima!					
Tissue Histopathologic dia	Mistopathologic diagnoses	logic diag		Special histolo	/ Special histological comments	*	

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LETTERMAN ARMY DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DBESTITIONS SAN EDANTISCO CA 07.20	Individual Animal Data Dump Table PRINTED: Study Number: 87012F	PRINTED: 16-Apr-90 Page: 138
RAT/Sprague-Dawley	- NAME	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000493 Day of death: 108	00493 Status: NORMA	Group: 3 Terminal body weight (kms):	4.0 PPT/day 0.26
Tissue	¥	Gross Observations >> Gross Free-Text Comments	
ODY	_		
Tissue	Necropsy memos	<< x667070 X 6308 >>	
UTERUS	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE.	SACRIFICE. NO LITTER DELIVERED.	
Tissue		<pre><< p a t h o l o g y 0 b s e r v a t i o n s >> Histopathologic diagnoses / Special histological comments</pre>	
All protocol rec	All protocol required tissues normal.		

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 By	٥.	rs.	Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 87000494 Day of death: 130	00494		, EUTHANIZED	glonp: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.28
Tissue	Finding, severity	¥	8 8 0 1 5	Observations VV Gross Free-Text Comments	n s vv t Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	NIZED				
UTERUS	INVOLUTION SITES			12		
Tissue	Necropsy memos		X & Q O L U & X	S S S S S S S S S S S S S S S S S S S	^	
No necropsy memos	No necropsy memos recorded on animal	al				
Tissue	Tissue Histopathologic diagnosės	dusés gnosés	Special historia	athology Observations / Special histological comments	AA	

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94 ey	129	St	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000508 Day of death: 144	7000508 Sex: Female 44 Status: NORMAL		, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	Dose level:	4.0 PPT/day 0.30
			8 8 8	Observations >>> Gross Free-Text Comments	>> ments	8 9 8 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	OGNIZED					
UTERUS	INVOLUTION SITES	ES		7			
T issue			× × × × × × × × × × × × × × × × × × ×		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal	;					
Tissue		<< diagnoses	atholog / Special histo	Pathology Observations / Special histological comments	^^		
All protocol requ	All protocol required tissues normal.				0 1 2 4 4 4 5 5 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		

LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RESE PATH SERV GP	EARCH		Individ	Individual Animal Data Dump Table Study Number: 87012F	Table		PRINTED: Page:	PRINTED: 16-Apr-90 Page: 141
PRESIDIO OF SAN FR/ RAT/Sprague-Dawley	RANCISCO, CA 94 Y	4129		Stu	Study Start Date: 21-Jul-87	-87			TERATOLOGY/
Animal: 87000511 Day of death: 133	00511 Status: NORM	Sex: Femal Status: NORM	emale IORMAL,	L, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	Dose (evel: eight (kms):	4.0 PPT/day 0.29	T/day
Tissue Finding, severity	Finding, severity	rity	¥	% % O L U >>	. v				
WHOLE BODY	NO LESIONS RECOGNIZED	COGNIZED		0					
UTERUS	INVOLUTION SITES	TES			15				
Tissue	Necropsy memos	,		>	2 O E U X	^	1		
No necropsy memos recorded on animal	recorded on a	•	,						
Tissue Mistopathologic dia	Kistopathologic diagnoses	ic diagr	<< P 4	special histology	Pathology Observations s/Special histological comments	۸۸ « د د د د د د د د د د د د د د د د د د د		8 8 9 4 1	0 0 0 0 0 0 0

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RAT/Spreame-Dewley	FRANCISCO, CA 74129		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000515 Day of death: 133	00515	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3 Terminal body weight (kms): 0.	4.0 PPT/day 0.31
Tissue	Finding, severity		Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	6 6 6 6 9 9 9 9 9 1 1 1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES		16	
Tissue	Mecropsy mesos	*	AA SOEUZ ASQOLUUX	
No necropsy memo	s recorded on animal			0 0 0 0 0 0 0 0 0 0
Tissue		Patholog ses/Specialhist	Aistopathologic diagnoses / Special histological comments	3 3 3 4 4 4 7
All protocol req	=			

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF R	RESEARCH		Individual Animal Data Dump Table Study Number: 87012f	PRINTED: 16-Apr-90 Page: 143
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA	94129		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000516 Sex: Female Day of death: 115 Status: NORMAL	00516	Status	Sex: Female tus: NORMAL,	, EUTHANIZED	4.0 PPT/day 0.29
	Finding, severity	everity	¥	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
LIVER	CONGESTED WHITE AREAS ON CAPSULE	S ON CAPS	ULE		
UTERUS	INVOLUTION SITES	SITES		15	
	Necropsy memos	\$ O E		<< REST V & C E ST V & C C C S S >>	
LIVER	APPEARANCE	OF LIVER	PROBABL	APPEARANCE OF LIVER PROBABLY DUE TO INJECTION OF EUTHANASIA SOLUTION	
Tissue Histopathologic dia	Mistopathologic diagnoses	ogic dia	>	athology Observations >> / Special histological comments	

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 144
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 9412 ey	<u>م</u>	Study	TERATOLOGY/
Animal: 87000524 Day of death: 128	00524	Sex: Female tus: NORMAL,	Group: 3 Terminal body weight (kms):	4.0 PPT/dmy 0.29
T sec	Finding, severity	< <severity< td=""><td>G T O S S O D S e T V a t i O T S VV Gross Free-Text Comments</td><td>4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6</td></severity<>	G T O S S O D S e T V a t i O T S VV Gross Free-Text Comments	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
WHOLE BODY	NO LESIONS RECOGNIZED	NIZED		
Tissue	Necropsy memos		<< X GOTODSY X GETOS >>	
uterus	SPERM POSITIVE 27 DAYS BEI		ORE SACRIFICE. NO LITTER DELIVERED.	
Tissue			o a thology Observations >> / Special histological comments	
All protocol requ	All protocol required tissues normal.	1a (.		

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley	21-Jul-87	TERATOLOGY/
Animal: 87000526 Day of death: 134	00526 Sex: Status:	Group: 3 Terminal body weight (kms): 0.25	PT/day
	<pre></pre>		0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED		
UTERUS	INVOLUTION SITES	13	
Tissue		< Recropsy Mesos >>	
No necropsy memor	No necropsy memos recorded on animal		
Tissue		A Pathologic diagnoses / Special histological comments	
All protocol requ	ired tissues normal.		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF R	ESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 146
RAT/Sprague-Dawley	FKANCISCO, CA ey	74 127		S	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000527 Day of death: 144	D00527	Sex: Female Status: NORMAL		EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.36
Tissue Finding, severity	Finding, severity	verity		8 8 8	bservati Gross Free-T	ons >> ext Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE	9	9 8 9 9 9 9 9 9 8 8 9 8 8 8 8 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 8 9 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9		•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	SITES			14		
Tissue	Necropsy memos	SOE		Z >>			
No necropsy memos recorded on animal	s recorded on a	animat			8 d d 3 d 5 d 5 d 6 d d d d d d d d d d d d d d	, e & \$ \$ & & e & e & e & e & e & e & e &	9 2 3 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	<pre></pre>	ogic diag	<< P a	atholog Special histo	athology Observations/Special histological comments	^ ^	
All protocol required tissues normal.	uired tissues	normal.		3 3 4 9 9 9 9 9 9 9	• • • • • • • • • • • • • • • • • • •	•	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	ISTITUTE OF RES	EARCH	Individual Anim Study Nu	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 147
RAT/Sprague-Dawley	KANCISCO, CA Y	6714	Study Start	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000537 Sex: Female Day of death: 133 Status: NORMAL,	00537	Sex: Female Status: NORMAL,		Group: 3 Terminal body weight (kms):	• •
	Finding, severity			/ a t i o n s >> Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	1 ! ! ! !	6 0	1) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	TES	11		
Tissue	Necropsy memos	80	× × × × × × × × × × × × × × × × × × ×		
No necropsy memos recorded on animal	recorded on a	nimat	• • • • • • • • • • • • • • • • • • •		
Tissue Mistopathologic dia	Mistopathologic diagnoses	<< P	athology Observations Special histological comments	sthology Observations >> Special histological comments	

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DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individ	Individual Animal Data Dump Table Study Number: 87012f	ta Dump Table 87012f			<u>.</u>	PRINTED: 16-Apr-90 Page: 148
RAT/Sprague-Dawley	rkantisto, ta 74127 ley		Stud	Study Start Date: 21-Jul-87	21-Jul-87				TERATOLOGY/
Animal: 87000543 Day of death: 148	00543 Sta		, EUTHANIZED	Group: 3	1	Terminal body weight (kms):	Dose level: leight (kms):	6 < 6 (:	4.0 PPT/day 0.31
Tissue	Finding, severity	¥	S & O F D	Observatio Gross Free-Text	Observations >>> Gross Free-Text Comments	>> nts			
WHOLE BODY	NO LESIONS RECOGNIZED	ZED	1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1	• • • •	• • • • •	
UTERUS	INVOLUTION SITES			71					
Tissue	Recropsy memos		X 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Y				
No necropsy mem	4								
Tissue		<< P a	sathology Observations /Special histological comments	Obser gical comments	* < * t i o n &	*			
All protocol requi	All protocol required tissues normal.	•				•			

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV G	RESEARCH P		Indi	Individual Animal Data Dump Table Study Number: 87012F	Table	PRINTED: 16-Apr-90 Page: 149
PRESIDIO OF SAN TRANCISCO, CA 94129 RAT/Sprague-Dawley	PKANCISCO, C.	A 94129		S	Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 87000547 Day of death: 133	8	Sex: Female Sex: Female Status: NORMAL	Sex: Female tus: NORMAL,	, EUTHANIZED	B :quor	Terminal body weight (kms):	,0
	Finding, severity	everity <<		8 8 0 1 5	8	ns >> Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE) - -	2			
UTERUS	INVOLUTION SITES	SITES			11		
Tissue	Necropsy memos	e mos		L U W		^	
No necropsy Beaos recorded on animal	s recorded or	n animal					
Tissue Histopathologic dia	Histopathologic diagnoses	logic diag		Special hist	athology Observations/Special histological comments	*	

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LETTERMAN ARMY DIV OF RES SUPP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	SEARCH	Ĕ	Individual Animal Data Dump Table Study Number: 87012F	Table	PRINTED: 16-Apr-90 Page: 150
PKESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA S Ley	/4129		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 8700804 Day of death: 168	00804	Sex: Female Status: NORMAL	e L, EUTHANIZED	Group: 3	Terminal body weight (kms):	4.0 PPT/day 0.35
Tissue	Finding, severity		8 % O L D >>	. s 		
WHOLE BODY	NO LESIONS RECOGNIZED	COGNIZED	d d d d d d d d d d d d d d d d d d d	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 ! !	
UTERUS	INVOLUTION SITES	ITES		11		
Tissue	Necropsy memos	S		< Reclobs Y Redos >>	^	
to necropsy mem	S					
Tissue	<pre></pre>	<< jic diagnoses	•	athology Observations >>/	AA	
Ill protocol re	All protocol required tissues normal.	ormal.		6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5 6 9 9 9 6 9 6 9 9 6 9 5 9 9 9 9 9 9 9	

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO,	, CA 94129		St	21-Jul-87		TERATOLOGY/
Animal: 8700806 Day of death: 140	90806	Status: NORMAL	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3 Terminal body weight (kms):	Dose (evel: Weight (kms):	4.0 PPT/day 0.34
Tissue	Finding,	<pre>// Finding, severity</pre>		м 0 L	s q o		
WHOLE BODY	NO LEST	NO LESIONS RECOGNIZED	ED	•		• • • • • • • • • • • • • • • • • • •	
Tissue	Necropsy memos	/ memos		C 0 0 2 × ×	** *** *** *** *** *** *** *** *** ***		
No necropsy memos recorded on animal	recorded	recorded on anima!	; ; ; ; ;	• • • • • • • • • • • • • • • • • • •			
Tissue		<< Histopathologic diagnoses	<pre><< p ' gnoses /</pre>	atholog Special histo	athology Observations >> / Special histological comments		
All protocol required tissues normal.	lired tiss	red tissues normal.	, , ,	• • • • • • • • • • • • • • • • • • •			

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, C	A 94129			Study Start Date: 21-Jul-87	78		TERATOLOGY/
Animal: 87000812 Sex: Female Day of death: 168 Status: NORMAL,	7000812 68	Status	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3 Terminal	Dose level: Terminal body weight (kms):	evel: kms):	4.0 PPT/day 0.38
**************************************	Finding, severity	everity	*	8 % O L G	1 10	n s >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGN12	ZED	4 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	- 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
UTERUS	INVOLUTION SITES	SITES			13			
		- BOS		Z >>	Kecsobs was medos	^	6 6 1 1	8 9 9 9 9 9 9 9 8 9 8 9
UTERUS		T1VE 27 G	AYS BEFC	FORE SCRIFICE.	SPERN POSITIVE 27 DAYS BEFORE S.CRIFICE. NO LITTER DELIVERED.			
Tissue, Histopathologic dia	Mistopathologic diagnoses	ologic dia	Manages (atholog / Special hist	Aistopathologic diagnoses / Special histological comments red tissues normal.	۸ « «		

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE O PATH SERV	F RESEARCH		Individual Animal Data Dump Table Study Number: 87012F	Table	PRINTED: 16-Apr-90 Page: 153
PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley	RANCISCO, Y	CA 94129		Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 87000818 Day of death: 140	00818	Sex: Feasle Status: NORMAL		Group: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.41
Tissue Finding, severity	Finding,	Finding, severity		Gross Free-Text Comments		
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED				
Tissue		E BOS	1	SOEST Y STOPS S	^	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	recorded	recorded on animal				
Tissue Kistopathologic dia	Kistopat	5 1 +	<< P a	athology Observations / Special histological comments	44 & C O in	

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94. By	4129	5	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000826 Day of death: 176	00826	26 Status: NORMAL	, EUTHANIZED	Group: 3 Terminal body weight (kms):	Dose level: 4.0 PPT/day
Tissue	Finding, severity	< <sseee severity<="" td=""><td>49 49 6 6</td><td>Observations >> Gross Free-Text Comments</td><td></td></sseee>	49 49 6 6	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	COGNIZED	; ; ; ; ; ; ; ;		6 E 2 C C C C C C C C C C C C C C C C C C
UTERUS	INVOLUTION SITES	TES		16	
Tissue	Necropsy memos	•	× × × × × × × × × × × × × × × × × × ×	opsy megos >>	
No necropsy memos recorded on animal	s recorded on ar	nimal			
Tíssue	<pre></pre>	D.	atholog /Specialhist	athology Observations >>/	
All protocol required tissues normal.	uired tissues normal.	; ; ;		· · · · · · · · · · · · · · · · · · ·	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	RESEARCH GP	Indiv	Individual Animal Data Dump Table Study Number: 87012F	able	PRINTED: 16-Apr-90 Page: 155
PRESIDIO OF SAN FRANCISCO, CA 94129 RAI/Sprague-Dawley	RANCISCO,	CA 94129	St	Study Start Date: 21-Jul-87	1	TERATOLOGY/
Animal: 87000836 Day of death: 168	800	Sex: Female Status: NORMAL, EUTHANIZED	EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.32
	Finding, severity	¥		Observations >>> Orss Free-Text Comments	Comments	
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED				
UTERUS	INVOLUTION SITES	N SITES		13		
Tissue		nenos	X & C O L O # X >>	S O E S	^	
No necropsy memos recorded on animal	recorded o	on animal				
Tissue Nistopathologic dia	Nistopath	Supposes .	Special histo	s thology Observations / Special histological comments	× × × 0	

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RAT/Sprague-Dawley	uley	(7)		St	Study Start Date: 21-Jul-87	Jul-87			TERATOLOGY/
Animel: 8700840 Day of death: 182	00840	Sex: Fessle Status: NORMAL	emale ORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	Dose level: dy weight (kms):	(kas):	4.0 PPT/day 0.36
Tissue	•	<pre>** ** ** ** ** ** ** ** ** ** ** ** **</pre>	¥	8 8 0 L 9	Observations >>> Gross Free-Text Comment	bservations >> Gross Free-Text Comments			
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGNIZED	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	, , , , , , , , , , , , , , , , , , ,	3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	• • • • • • • •		9 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
UTERUS	INVOLUTION SITES	ITES			1				
Tissue		*		* * * * * * * * * * * * * * * * * * *		^ ~			
No necropsy memo	No necropsy memos recorded on animal	nimal							
7 ssue		sic diagn	oses /	stholog Special histo		t o s			
All protocol r	All protocol required tissues normal.	ormal.		1 1 1 1 1 1 1 1 1 1 1		f 0 5 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5	• • • • • • • •		20000000000000000000000000000000000000

Animal: 87000846 Sex: Female Group: 3 Terminal body weight (kms): 0.28 death: 168 Status: WORMAL, EUTHANIZED Group: 3 Terminal body weight (kms): 0.28 death: 168 Status: WORMAL, EUTHANIZED Gross Free-Text Comments **A G r o s s O b s r v a t i o n s >> Finding, severity **Mecropsy memos **A Mecropsy memos **A Memos **A M	LETTERMAN ARMY INS DIV OF RES SUPP, P	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012F	Dump Table 7012f	PRINTED: 16-Apr-90 Page: 157
Status: MORMAL, EUTHANIZED Status: MORMAL, EUTHANIZED Copy Servations >>> Finding, severity MOLESIONS RECOGNIZED INVOLUTION SITES Copy Memos Fecorded on animal Copy Observations >>> Westopathologic diagnoses / Special histological comments	PRESIDIO OF SAN FR RAT/Sprague-Dauley	ANCISCO, CA 94129		1-Jul-87	TERATOLOGY/
Gross Free-Text Comments ZED 10 A M e G T O D S Y M e m O S >> A P a t h O L O G Y O D S e r V a t i o n s Special histological comments	Animal: 8700 Day of death: 168	OB46 Status: NORHAL	EUTHANIZED		4.0 PPT/day 0.28
10 <- Necropsy Memos >> <- Necropsy Memos >> <- Necropsy Memos >> <- Pathology Observations <- Pathological comments) ; ; ;	<pre>/* Finding, severity</pre>	0 2 8 8 C D 8	t i o n s >> e-Text Comments	
10 <- Mecropsy Memos >> <- Methology Observations <- Pathological comments		WO LESIONS RECOGNIZED			
<pre><< Necropsy Memos >> </pre> <pre><< Pathology Observations << Pathological comments</pre>	UTERUS	INVOLUTION SITES	10		
<pre><< Pathology 0bservations agnoses / Special histological comments</pre>		 	X C O L O B X X		0 0 0 0 0 0 0 0 0
Aistopathologic diagnoses / Special histological comments	No necropsy memos	:			
	T	<pre>/< P Wistopathologic diagnoses /</pre>	athology Observ/Special histological comments		

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RAT/Sprague-Dawley	ley		Study Start Date: 21-Jul-87	2	F	TERATOLOGY/
Animal: 87000850 Day of death: 155	iā	Female Normal, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	evel: 4.0 PPT/day kms): 0.33	1/day
Tissue	Finding, sevenity	8 % O L UJ >>		n s >> Comments		1 1 1 1 1 1 1
WHOLE BODY	NO LESIONS RECOGNIZED	· · · · · · · · · · · · · · · · · · ·	9 8 9 8 9 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$ 6 5 5 6 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6	0 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	:
Tissue	Necropsy memos	© ₩ ₩		^		
UTERUS	SPERM POSITIVE 26 DAYS BEFORE SACRI	YS BEFORE SACRIFICE	FORE SACRIFICE, NO LITTER DELIVERED.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	: : : : :
Tissue		<pre><< · P a t h o { o noses / Special his</pre>	A sthology 0 bservations Wistopathologic diagnoses / Special histological comments	^^ » E 0		
All protocol requ	All protocol required tissues normal.	V D D D D D D D D D D D D D D D D D D D	7 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 2 3 4 5 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SER	OF RESEARCH		Inc	Individual Animal Data Dump Table Study Number: 87012F	Data Dump Der: 87012F	Table		PRINTED: 16-Apr-90 Page: 159
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	KANCI SCO	, CA 94129			Study Start Date: 21-Jul-87	ite: 21-Jul	-87		TERATOLOGY/
Animal: 87000860 Day of death: 147	00860	Sex: Feasle Status: XORMAL	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3		body we	Dose level: ight (kms):	4.0 PPT/day 0.36
Tissue Finding, severity	Finding	Finding, severity		8 8 0 1 9	0 b s e 1 Gros	O b s e r v a t i o n s >> Gross Free-Text Comments	ø		
UTERUS	WHITE SPOTS	POTS	1 1 1 1 1 1	• • • • • • • • • • • • • • • • • • •	9	· · · · · · · · · · · · · · · · · · ·		0 3 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Necrops			U U W	X 6 0 L D 9 X	X 6 3 0 %	*		
UTERUS	SPERM P	SPERN POSITIVE 26 DAYS BEI		ORE SACRIFICE	ORE SACRIFICE. NO LITTER DELIVERED.	ELIVERED.			
1.850	Histopa	< <p>Kistopathologic diagnoses</p>	<pre></pre>	stholo Special his	Aistopathologic diagnoses / Special histological comments	e F V a t	A A		
HTFRUS	TNE AME	THE AMMATION LYMPHOCYTIC		Eild Kill tifoth	, Jeso				

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Animal: 87000870 Day of death: 143	000870 3	Animal: 87000870 Sex: Femal death: 143 Status: NORMA	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	M :: dao ::	, in	роду ме	Dose level:	4.0 PPT/day 0.38
! ! !	Finding,	Finding, severity	١,٧		O b s e r < a t Gross Free	Observations >> Gross Free-Text Comments	n s VV Comments		
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	9	: : : : : : : :	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;				
Tissue		Necropsy memos		2 2 2	T > % C O L U & Z	X	•		
No necropsy memos recorded on animal	s recorded	on animal							
Tissue		/< // Mistopathologic diagnoses	<< p	atholo Specialhis	Aistopathologic diagnoses / Special histological comments	r vatio Its	19 t i o n s	8 9 9 9	
All protocol required tissues normal.	uired tiss	ues normal.							
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Study Start Date: 21-Jul-87 Status: NORMAL, EUTHANIZED Status: NORMAL, EUTHANIZED Status: NORMAL, EUTHANIZED Status: NORMAL, EUTHANIZED Study Start Date: 21-Jul-87 Dose level: 4.0 Pl Construction of the construction of	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV G	RESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 161
Female NORMAL, EUTHANIZED Croup: 3 Terminal body weight (kms): 0.29 Coss Free-Text Comments Gross Free-Text Comments An ecropsy Memos >> Coss Free-Text Comments	PRESIDIO OF SAN RAT/Sprague-Dawl	FRANCISCO, C ey	CA 94129	S	udy Start Date: 21-Jul-87		TERATOLOGY/
<pre> << Gross Free-Text Comments ZED 10 << N e c r o p s y Memos >> << P a t h o l o g y 0 b s e r v a t i o n s >> sgnoses / Special histological comments</pre>	Animal: 87 Day of death: 16	D00882 9		EUTHANIZED		Dose level: weight (kms):	4.0 PPT/day 0.29
10 <- Necropsy Memos >> <- Necropsy Memos >> <- Pathology Observations >> agnoses / Special histological comments	Tissue	Finding, 8		8 8 0 5	Observations >> Gross Free-Text Comments		
<pre></pre>	UNOLE BODY	NO LESTONS	S RECOGNIZED	- 1 4 9 1 1 1 1 1 1			
<pre><< Necropsy Memos >> </pre> <pre><< Pathology Observations agnoses / Special histological comments</pre>	UTERUS	INVOLUTION	K SITES		10		
<pre></pre>	Tissue				S O E		
<pre><< Pathology 0bservations Wistopathologic diagnoses / Special histological comments</pre>	No necropsy memo	s recorded c	;				
		Histopatho	/ >> Plogic diagnoses /	atholog Special histo			

LETTERMAN ARMY II	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	•	Indivi	Individual Animal Data Dump Table Study Number: 87012F	able		PRINTED: 16-Apr-90 Page: 162
PRESIDIO OF SAM FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 ey		Sti	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000888 Day of death: 149	Animal: 87000888 Sex: Femal ay of death: 149 Status: NORMA	Sex: Female tus: NORMAL,	le al, euthanized	Group: 3	Terminal body weight (kms):	Dose level:	4.0 PPT/day 0.33
Tissue	;	¥	\$ \$ O L D >>	Observations >>> Gross Free-Text Comments	S >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	ED	- 5 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	, , , , , , , , , , , , , , , , , , ,	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
			× × × × × × × × × × × × × × × × × × ×	8 0 E	^		
UTERUS		AYS BEFOR	E SACRIFICE.	SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.			
Tissue	// Nistopathologic diagnoses		thology Special histol	Pathology Observations >> s/Special histological comments	^^ si		
All protocol requ	=						

LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF PATH SERV	F RESEARCH GP	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 163
PRESIDIO OF SAN FRAIRAI-	FRANCISCO, FY	CA 94129		TERATOLOGY/
Animal: of death:	87000890 169	Sex: Female Status: NORMAL,	Group: 3 Terminal body weight (kms):	4.0 PPT/day 0.31
	Finding,	Finding, severity	Gross Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	ON SITES	13	
Tissue			<< SOEDI ASOOLUUS >>	
No necropsy memos recorded on snims!	recorded o	on anima(
Tissue Mistopathologic dia	Histopath	d >>	athology Observations >> / Special histological comments	

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LETTERMAN ARMY 11 DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESENTS OF SAN EDANCESCO. CA 04120		Indi	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012F		_	PRINTED: 16-Apr-90 Page: 164
RAT/Spregue-Dawley	ey		Š	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000906 Day of death: 169	90600	Sex: Female Status: NORMAL, EUTHANIZED	UTHANIZED	Group: 3	# 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Terminal body weight (kms):	Dose level:	4.0 PPT/day 0.33
Tissue	Finding, severity	¥	8 S O L D	, v	Observations >> Cross Free-Text Comments	# # # # # # # # # # # # # # # # # # #	• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	_	! ! !	* * * * * * * * * * * * * * * * * * * *		A	E E B B B B B B B B B B B B B B B B B B	; ; ;	0 5 6 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES			14				
Tissue	Necropsy memos	¥	<pre></pre>		X			
No-Zecropsy memos	recorded on anim	1						
	Aistopathologic diagnoses / Special histological comments	<< P a inoses / Si	tholog pecial histo	y Obser ological comment	>	1	; ; ; ;	
All protocol requ	All protocol required tissues normal.							

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA	94129			Study Start Date: 21-Jul-87	1-87		:	TERATOLOGY/
Animal: 87000910 Day of death: 186	87D00910 Sex: Female 186 Status: NORMAL,	Status	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 3	Terminal	Dose level: Terminal body weight (kms):	Dose level:	4.0 PPT/day 0.33
	Finding, severity	verity	¥	8 0 1 9	Observations >>> Gross Free-Text Comments	ons >> xt Comments			
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZ	ED	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
UTERUS	INVOLUTION SITES	SITES			13				
Tissue				¥		^			
No necropsy metos recorded on snins!	recorded on a		1 1 1 1 1 1 1	7 1 1 9 1 9 1 9					
Tissue Histopathologic dia	Histopathologic diagnoses /	ogic dia normat.	A A A A B G B A A A A A A A A A A A A A	Special histo	Special histological comments		*	6 6 9 9	AA & C O

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PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	FRANCISCO, C.	A 94129		Study Start Date: 21-Jul-87	287	TERATOLOGY/
Animal: 87000918 Day of death: 170	ě	918 Status: NORMA	Sex: Female tus: NORMAL,	Sex: Female Group: 3	Dose level: Terminal body weight (kms):	4.0 PPT/day 0.32
Tissue	Finding, severity	Anding, severity	*	Gross Free-Text Comments	ns >> Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZI	E0			9 4 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
UTERUS	INVOLUTION SITES	SITES		15		
Tissue		e n o\$		** Xecropsy Xesos	*	
No necropsy memos recorded on animal	os recorded or	n enimel				
Tissue		logic dia	<pre><< p description </pre>	A sthology Observations Mistopathologic diagnoses / Special histological comments	^^ % E O	
All protocol required tissues normal.	quired tissues normal.	B normal.		, 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF RE PATH SERV GP	SEARCH		Indivi	Individual Animal Data Dump Table Study Number: 87012F	a Dump Table 87012F		PRINTED: 16-Apr-90 Page: 167
PRESIDIO OF SAW FRA RAT/Sprague-Dawley	FRANCISCO, CA By	94129		Stu	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000920 Day of death: 175	000920 Sex: Female Status: NORMAL,	Sex: Status:	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	Dose level: neight (kms):	4.0 PPT/day 0.33
Tissue	Finding, severity	rerity	¥	и 0 L	Observa Gross Fr	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESTONS RECOGNIZED	ECOGN12	,E0	P P R R R R R R R R R R R R R R R R R R	* • • • • • • • • • • • • • • • • • • •			
UTERUS	INVOLUTION SITES	SITES			15			
Tissue		808		Kecropsy		^^ % O E & X		
No.nzg/opsy memos recorded on animal	s recorded on	animal	; ; ; ; ;	0 0 0 0 1 1 1 5 0 0 0 0 0 0 0 0 0 0 0 0				
Tissue Mistopathologic dia	Kistopathologic diagnoses / uired tissues normal.	ogic dia normal.	4 × × 8 × × 8 × × × × × × × × × × × × ×	athology Observations/Special histological comments	Obser ogical comments	< m t i o n s >>		

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Z 3	FRANCISCO, CA 94 Py	4129		St	Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 87000930 Day of death: 189	00630	Sex: Female Status: NORMAL		, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	Dose level: ight (kms):	4.0 PPT/day 0.39
Tissue		rity		8 8 0 L U	Observetions >>> Gross Free-Text Comments	n s >> t Comments		
LUNGS	RED FOCI, Mild	ק		6 5 6 9 9 9 9 8 8 8 8 8 7 7 7 8 8 8 9 9 8 8 8 8				
UTERUS	INVOLUTION SITES	TES			15			
Tissue	Mecropsy memos	s i		X & CI O D S X	S O E U X X X X X X X X X X X X X X X X X X	^	1	
No necropsy memos recorded on animal	r recorded on an	nimel						
Tissue	Mistopathologic diagnoses.	ic di∎g	<pre><< P > Inoses /</pre>	atholog Special histo	athology Observations/Special histological comments	· 0 · 0 · 0	1	
All protocol required tissues normal.	uired tissues no	ormal.	• • • •	9 9 9 9 9 9 9 9		0 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RI PATH SERV GP	ESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012f		PRINTED: 16-Apr-90 Page: 169
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA	94129	St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 8700944 Day of death: 175	77600	Status Normal	le al, euthanized	Group: 3 Terminal body weight (kms):	Dose level: ight (kms):	4.0 PPT/day 0.27
	Finding, severity		8 8 0 L 5 >>	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZED				
UTERUS	INVOLUTION SITES	SITES		15		
Tissue	Necropsy memos	\$ OE	X G C L O D S Y	^< so≝a≖ ≻sdo	1	8 8 9 9 9 9 9 9 9 9 9 9 9 9
No necropsy memos recorded on animal	recorded on a	animal				
Tissue Mistopathologic dia	Mistopathol	Afstopathologic diagnoses /	atholog Special histo	Mistopathologic diagnoses / Special histological comments red tissues normal.		

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LETTERMAN ARMY II	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animal Data Dump Table Study Number: 87012F	ata Dump Table : 87012F			PRINTED: 16-Apr-90 Page: 170
RAT/Sprague-Dawley	FRANCISCO, CA 94129 ey		Š	Study Start Date: 21-Jul-87	: 21-Jul-87			TERATOLOGY/
Animal: 87000966 Day of death: 172	10966 Sta	Sex: Feable Status: NORMAL,	EUTHANIZED	Group: 3		Terminal body weight (kms):	Dose tevel: sight (kms):	4.0 PPT/day 0.40
Tissue	Tissue Finding, severity	¥	8 C	0 b s e r <	Observations >>> Gross Free-Text Comments			
WHOLE BODY	NO LESIONS RECOGNIZED	ΈD	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	0 2 3 3 5 6 6 6 6 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8			
UTERUS	INVOLUTION SITES			15				
Tissue	Necropsy memos		L U	Necropsy M	T 6 3 0 8 >>			
No necropsy memor	No necropsy memos recorded on animal							
Tissue		<< P	atholog Special hist	y Obser	athology Observations // Special histological comments	^		
All protocol requi	All protocol required tissues normal.	; ; ;	6 6 6 6 6 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	, e e e e e e e e e e e e e e e e e e e		• • • • • • • • • • • • • • • • • • •	8 8 6 1 1 1	2

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA 94129 Y		St	Study Start Date: 21-Jul-87	-87	1	TERATOLOGY/
Animal: 87000968 Day of death: 189	00968	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 3 Terminal	Dose level: Terminal body weight (kms):	evel: kms):	4.0 PPT/day 0.36
T	Finding, severity		8 8 0 L D >>	Observations >>> Gross Free-Text Comments	ns >> (t Comments		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	ED					
UTERUS	INVOLUTION SITES			18			
Tissue	Necropsy memos		Y & Q O L O B X >>	N O E U X	^	•	0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal						
Tissue	// Histopathologic diagnoses	<pre>c b gnoses /</pre>	atholog Special histo	Pathology Observations s/special histological comments	, s n o i	# # # #	
All protocol requ	All protocol required tissues normal.						

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RAT/Sprague-Dawley	,			Study	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 8700974 Day of death: 154	00974 Sta		, EUTHANIZED		Group: 3		body we	Dose level:	4.0 PPT/day 0.36
Tissue			8 8 0 5 9	0	. 6	ervations >> Gross Free-Text Comments	NA CALLES	t t t t t t t t t t t t t t t t t t t	1
WHOLE BODY	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						
Tissue	Necropsy Beaos	¥	X Necrobs X	о С	¥ > 4	^^			
UTERUS	SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.	AYS BEFORE	SACRIFIC	E. NO	ITTER DELIV	FRED.	3 3 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Nistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RESPAN	EARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table	ā	PRINTED: 16-Apr-90 Page: 173
PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley	RANCISCO, CA 9	4129		St	Study Start Date: 21-Jul-87	87		TERATOLOGY/
Animal: 87000414 Day of death: 136	00414	Sex: Female Status: NORHAL, EUTHANIZED	ste HAL, E	EUTHANIZEO	Group: 4	Dose level: Terminal body weight (kms):	vel: ms):	12.7 PPT/day 0.34
Tissue	Finding, severity	verity **		S S S S S S S S S S S S S S S S S S S	Observations >>> Oross Free-Text Comments	n s vv Comments	: : :	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	COGNIZED						
UTERUS	INVOLUTION SITES	TES			17			
Tissue	Necropsy memos	•	·	X	S C E U E U E U E U E U E U E U E U E U E	^		
No necropsy memos recorded on animal	recorded on	nimat						
Tissue	Nistopathologic diagnoses / Special histologic PIGMENT IN MACROPHAGES, Moderate, Multifocal.	of diagnos	F A Mode	/ Special histo oderate, Multifo	Aistopathologic diagnoses / Special histological comments PIGMENT IN MACROPHAGES, Moderate, Multifocal.	AA % C 0	1 6 9 3 1 8	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF R	ESEARCH		Individ	Individual Animal Data Dump Table Study Number: 87012F	able	-	PRINTED: 16-Apr-90 Page: 174
PRESIDIO OF SAN FR/ RAT/Sprague-Dawley	RANCISCO, CA Y	94129		Study	Study Start Date: 21-Jul-87	2 1		TERATOLOGY/
Animal: 87000416 Day of death: 101	:	Status: NORMA	Sex: Female	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	level: (kms):	12.7 PPT/day 0.31
1 1 1 1 1 1 1	Finding, severity	verity	¥	** °	Observations >>> Gross Free-Text Comments	S VV Comments		4 9 9 1 1 1 1 1 1 1 1 1 1 1 1
UTERUS	WHITE SPOTS			, 4 0 0 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0	3 OR 4			
Tissue	Necropsy memos	8 0 8		X	SO E U X X SO	^		
UTERUS	SPERM POSITIVE 24 DAYS BEI	IVE 24 D	AYS BEFOR	RE SACRIFICE. NO	FORE SACRIFICE. NO LITTER DELIVERED.		-	
Tissue	Kistopathologic diagnoses	ogic dia	sesouses /	special histology	Pathology Observations /Special histological comments	**	1 1 1 1 2 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
OVARIES	Required pr /OMLY OVIDU	otocol t ICT IN BL	issue is ock, RECL	Required protocol tissue is missing. JONLY OVIDUCT IN BLOCK, RECUT TWICE, TISSUE EXHAUSTED	EXHAUSTED			
VAGIMA	Miscellaneous. Inflammation, LYMPHOCYTIC,	US. IN, LYMPHO		Slight, Multifocal.				

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAW FRANCISCO, CA 04120	PATH SERV GP	SEARCH 94120	Ind Du	Individual Animal Data Dump Table Study Number: 87012F	a Dump Table 87012f		PRINTED: 16-Apr-90 Page: 175
RAT/Sprague-Dawley	X			Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87500418 Sex: Female Day of death: 95 Status: NORMAL, EUTHANIZED	000418 Status: Feaste Status: NORMAL,	Sex: Female Status: NORMAL,	e il, Euthanized	Group: 4	Terminal body we	Dose level: ight (kms):	12.7 PPT/day 0.27
Tissue	Finding, severity	erity <<	8 0 L D >>	s q o	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGNIZED		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	, a b e e e e e e e e e e e e e e e e e e	* 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecropsy memos	80	¥	A T Y & C C C C A A C C C C C A C C C C C C C	~		
No necropsy memos recorded on animal	recorded on				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 1 1 1 1 1 1	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Tissue	Histopatholog	Mistopathologic diagnoses ,	Pathology / Special his	Aistopathologic diagnoses / Special histological comments	< a t i o i s >>		
VAGINA	Required pro	Required protocol tissue is		3,68,79.	***************************************		***************************************

PATHOLOGY
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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 92129	STITUTE O PATH SERV	F RESEARCH GP 04120		Ē	dividual Animal Data Dump Study Number: 87012F	Individual Animal Data Dump Table Study Number: 87012F		_	PRINTED: 16-Apr-90 Page: 176
RAT/Sprague-Dawley	À				Study Start Date: 21-Jul-87	te: 21-Jul-87			TERATOLOGY/
Animal: 87000419 Sex: Femal Day of death: 101 Status: NORMA	000419	Status:	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4		Dose level: Terminal body weight (kms):	Dose level:	12.7 PPT/day 0.28
Tissue	Finding,	Finding, severity	*	8 \$ 0 L U	و ا	Observations >> Gross Free-Text Comments	2 6 6 6 6 9 9 9 9 9 1 1		9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	9		* * * * * * * * * * * * * * * * * * *	1	•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Tissue	Necropsy memos	Necropsy memos		× ×		W 0 0 E			
	SPERM PO	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE.	VYS BEFO	RE SACRIFICI	. NO LITTER DELIVERED.	LIVERED.	0 0 0 5 7 7 8 8	; † † † †	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Histopat	< · P Wistopathologic diagnoses /	< · p	atholo Specialhi	g y Obse	Aistopathologic diagnoses / Special histological comments	^		
	Required	Required protocol tissue	ssue is	is missing.			* * * * * * * * * * * * * * * * * * *	3 4 5 0 4 5 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	ASTITUTE OF PATH SERV	F RESEARCH GP		Indi	Individual Animal Data Dump Table Study Number: 87012F	p Table F		PRINTED: 16-Apr-90 Page: 177
RAT/Sprague-Dawley	FKANCISCO,	CA 94 129		S	Study Start Date: 21-Jul-87	1-87		TERATOLOGY/
Anisel: 87000423 Sex: Femal))	Sex: Femal	Sex: Female tus: NORMAL,	le al, euthanized	Group: 4	Dose level: Terminal body weight (kms):	Dose (evel: Weight (kms):	12.7 PPI/day 0.26
Tissue	Finding,	Finding, severity	¥	8 8 0 1 9 >>	Observations >>> Gross Free-Text Comments	ons >> xt Comments		
WHOLE BODY	NO LESION	NO LESIONS RECOGNIZED	ED	2 5 5 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	• • • • • • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·	
Tissue	Necropsy memos	3020		Z >>		^		
UTERUS	SPERM POS	SITIVE 25 D	AYS BEFO	RE SACRIFICE.	SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.			
Tissue	Nistopath IIIII NYPERPLAS DECREASED	Mistopathologic diagnoses	s · P · gnoses / TITIAL COURTEA, Pro	Pathology Obs // Special histological comm . CELL, Moderate, Multifocal. Present.	Y at hology Observations noses / Special histological comments ITIAL CELL, Moderate, Multifocal.			

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LETTERMAN ARMY DIV OF RES SUPP PRESIDIO OF SAN	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 178
RAT/Sprague-Dawley	RAT/Sprague-Dawley	Study S	TERATOLOGY/
Animal: 87000426 Day of death: 122	00426	Sex: Female Group: 4 Terminal body weight (kms):	evel: 12.7 PPT/day kms): 0.26
	Finding, sevenity	Gross Observatio	
WHOLE BODY	NO LESIONS RECOGNIZED	1ZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	7	
Tissue	Necrobsy memos	< RECTODSY MESSON >>	
No necropsy men	s recorded on animal	•	
Tissue PITUITÄRY GLAND		Histopathologic diagnoses / Special histological comments /ONLY PARS DISTALIS PRESENT RECUT DONE	
VAGINA	Required protocol tissue is missing.	tissue is aissing.	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV G	RESEARCH		Individus St	Individual Animal Data Dump Table Study Number: 87012F	ble		PRINTED: 16-Apr-90 Page: 179
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, C	A 94129		Study	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000429 Sex: Female Day of death: 122 Status: NORMAL,	00429	Status		EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	Dose level: ight (kms):	12.7 PPT/day 0.30
		:	*	8 8 0 1 5	ω	s >> omments		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZ	• • • •	0 0 0 3 3 3 0 4 3 7 6 6 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8	* 5 5 6 9 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9	# D I I I I I I I I I I I I I I I I I I	† 1 1 1 1 1 1	0 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
UTERUS	INVOLUTION SITES	SITES			14			
Tissue	Kecropsy Begos	e 30 %		X A G O L O D W X	<< 0.0 E 0 X > 0.0 E 0 X = 0.0 M = 0.0	•		
No necropsy memos recorded on animal	recorded o	n animal	•					
Tissue	<pre></pre>	<pre>istopathologic diagnoses</pre>	d >> gnoses /	athology Special histologi	athology Observations/Special histological comments	^^ S C		
OVARIES	MINERALIZATION, Slight, Focel.	TION, SLI	ght, Foci					
UTERUS	PIGMENT IN	MACROPHA	GES, Mode	PIGMENT IN MACROPHAGES, Moderate, Focal.				

PATHOLOGY
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LETTERMAN ARNY II DIV OF RES SUPP,	LETTERMAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDED OF SAM PRANCESSORY	I	Indi	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 180
RAT/Sprague-Dawley	**************************************		v	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000434 Day of death: 122	10434	Femal	e L, EUTHANIZED	body we	Dose level: eight (kms):	12.7 PPT/day 0.30
Tissue	Finding, severity	*	8 8 0 1 9	Observations >> Gross Free-Text Comments	6 6 1 1 6 6 8 8 9 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9	6
WHOLE BODY	NO LESIONS RECOGNIZED	1 2 E D			9 B 0 B 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5 ° 2 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6
UTERUS	INVOLUTION SITES			11		
Tissue	Necropsy memos		2 2 3	Kerropsy Keaos >>		
No necropsy memos	No necropsy memos recorded on animal		0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e : : : : : : : : : : : : : : : : : : :	0 0 0 0 0 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6
Tissue	Mistopathologic diagnoses	<pre>/</pre>	atholog Special hist	Pathology Observations >> / Special histological comments		
	PIGNENT IN MACROPHAGES. MI	AGES, Mil.	ld. Focal.	8 2 4 4 4 5 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		· · · · · · · · · · · · · · · · · · ·

Required protocol tissue is missing.

VAGINA

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV G	RESEARCH P		Indi	Individual Animal Data Dump Table Study Number: 87012F	ump Table 12F		PRINTED: 16-Apr-90 Page: 181
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, C.	A 94129		S	Study Start Date: 21-Jul-87	Jul-87		TERATOLOGY/
Animal: 87000439 Day of death: 101	. 0	Sex: Female Status: NORMAL	Sex: Female tus: NORMAL,	EUTHANIZED	Group: 4	Terminal	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.33
•		Finding, severity	¥	, , ,	Observations >>> Observations >>>	ervations >>> Gross Free-Text Comments		
WHOLE BODY	NO LESTONS	NO LESIONS RECOGNIZED		4 9 1 1 1 4 3 4 9 5 1	7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	• • • • • • • • • • • • • • • • • • •		
UTERUS	FETUS IN UTERUS	TERUS			1 1.5CM			
Tissue		e 20 %		Z >>		A A S		
UTERUS	SPERM POSI	TIVE 24 DAYS BEF	YS BEFOR	RE SACRIFICE.	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.	٥.		
Tissue	Histopatho INFLAMMATIC	<pre>Aistopathologic diagnoses INFLAMMATION, LYMPHOCYTIC,</pre>	<pre><< P a noses / cytic, s</pre>	atholog Special histo	sthology Observations/Special histological comments.		*	

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LETTERMAN ARNY I DIV OF RES SUPP.	LETTERMAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DESCRIPTOR OF SAM FRANCES OF 02130		Individual Animal Data Dump Table PRINTED: 16-Apr-90 Study Number: 87012F	Apr-90
RAT/Sprague-Dawley	ey		Study Start Date: 21-Jul-87	TOLOGY/
Animal: 87900450 Day of death: :22	00450	Sex: Female tus: NORMAL,	9	>
	Finding, severity	¥	<pre>< Gross Observations >> Gross Free-Text Comments</pre>	1 1 1 1
UNOLE BODY	ENACIATION, Trace	! ! ! !		
UTERUS	INVOLUTION SITES		15	
Tissue	Necropsy memos		<< Necropsy Memos >>	
No necropsy memos	-			
	Histopathologic diag	<< P	<pre><< Pathologic diagnoses / Special histological comments</pre>	
UTERUS	PIGNENT IN MACROPHAGES, Moderate, Multifocal.	ES, Mod	lerate, Multifocal.	•

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF R	ESEARCH		Indi	Individual Animal Data Dump Table Study Number: 87012f	Table			PRINTED: 16-Apr-90 Page: 183	r-90
RAT/Sprague-Dauley	KANCISCO, CA	44124		ίn	Study Start Date: 21-Jul-87	-87			TERATOLOGY/	LOGY/
Animal: 87000457 Day of death: 101	87D00457 Sex: Female 101 Status: NORMAL	Status:	Sex: Female Status: NORMAL,	EUTHANIZED	group: 4	Dose level: Terminal body weight (kms):	Dose y weight	Dose level: ight (kms):	12.7 PPT/day 0.28	t • •
Tissue	Finding, severity	verity	¥	8 8 0 1. 5	Observations >> Gross Free-Text Comments	n s >> Comments				
UTERUS	WHITE SPOTS	1 1 1 1 1 1	, † † † † †	• • • • • • • • • • • • • • • • • • •	1	1 4 1 7 7 7 7 1 1 6 6 8	; ; ; ; ; ;	! ! ! ! !	1 5 4 1 5 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 1 1
Tissue	Necropsy memos	S)		× × ×	Men Tops Y Resor	^				
UHOLE BODY	THIS ANIMAL NUMBER SHOULD IS DUE TO TYPING ERROR.	NUMBER YPING ER		AD 87000451.	EAD 87000451. ALL INFORMATION IS FROM 87000451.	•	THERE IS NO ANIMAL 8	NO ANIMA	7000457. T	THIS
UTERUS	SPERM POSIT	1VE 24 D/	AYS BEFOR	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE.	NO LITTER DELIVERED.					
Tissue.	Mistopathologic diagnoses /	ogic diag	cc P gnoses / gnoses / issue is	Special history	athology Observations / Special histological comments smissing.	۸۸ » د ه			B t i o n s >>	

Miscellaneous. INFLAMMATION, LYMPHOCYTIC, Mild, Focal.

VULVA

		o windiday.		
LETTERMAN ARMY II DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH	Ind	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 154
RAT/Sprague-Dawley	FKANCISCU, CA 94129 ey		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000458 Day of death: 102	00458		Group: 4 Terminal body weight (kms):	12.7 PPT/day 0.31
Tissue	Finding, severity	¥	s q	
WHOLE BODY	NO LESIONS RECOGNIZED			
Tissue	Necropsy memos	*	Zecrobsy mesos >>	
UTERUS	SPERN POSITIVE 24 DAYS BEF	AYS BEFORE SACRIFICE	FORE SACRIFICE. NO LITTER DELIVERED.	
Tissue		* ×	s a thology Observations >> / Special histological comments	
All protocol regu	A(brotocol required tissues normal.	• • • • • • •	***************************************	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF PATH SERV	RESEARCH GP		Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 185
PRESIDIO OF SAN FRA RAI/Sprague-Dawley	FRANCISCO, ey	CA 94129		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000467 Day of death: 128	00467	:	Sex: Female tus: NORMAL,	Sex: Female Group: 4 Dose level: Status: NORMAL, EUTHANIZED	12.7
Tissue	Finding, severity	severity	¥	< Gross Observation Gross Free-Text	
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	ED		
GTERUS	INVOLUTION SITES	N SITES		14	
Tissue		Remos	!	<< Neclobsy Teaos >>	
No necropsy memos recorded on animal	s recorded	on animat			
Tissue Histopathologic diagnoses	Histopath	ologic diag	d >> d	# Histopathologic diagnoses / Special histological comments red tissues normal.	

LETTERMAN ARMY INC DIV OF RES SUPP, I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individu S	Individual Animal Data Dump Table Study Number: 87012F	able	PRINTED: 16-Apr-90 Page: 186
PRESIDIO OF SAN FRI RAT/Sprague-Dawley	RANCISCO, CA 94129 Y		Study	Study Start Date: 21-Jul-87	25	TERATOLOGY/
Animal: 87000477 Day of death: 128	00477	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	12.7 PPI/day 0.26
	Finding, severity		w	. 0	s vy Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	ZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	# B B B B B B B B B B B B B B B B B B B	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
UTERUS	INVOLUTION SITES			13		
Tissue	Necropsy memos		>>	N O E U X	^	
No necropsy memos	No necropsy memos recorded on animal					
Tissue	Alistopathologic diagnoses	<< P	athology Special histolog	Pathology Observations /Special histological comments	** « « » « »	
UTERUS	PIGHENT IN MACROPHAGES, Mild, Multifocal.	GES, Mile	d, Multifocal.	. C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
VAGINA	Miscellaneous.		Slight, Focal,			

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	INSTITUTE O P, PATH SERV	JF RESEARCH		Indi	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 187
PRESIDIO OF SAN FRANCISCO, CA 94129 RAI/Sprague-Dawley	N FRANCISCO, wley	, CA 94129		S	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000481 Day of death: 106	Animal: 87000481 Sex: Female	Sex: Female Status: NORMAL	Sex: Female tus: NORMAL,	EUTHANIZED	Group: 4 Terminal body weight (kms):	Dose level: eight (kms):	12.7 PPT/day 0.36
	Finding,	Finding, severity	¥	S .	, y		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	WHITE SPOTS	015	1 1 1 1 1				
Tissue	Necropsy memos	/ memos		C 0 0 2 V	AA SOEUW ASCIOLUUM	4 4 4 4 4 4	
UTERUS	SPERM PO	SPERM POSITIVE 26 DAYS BEF	AYS BEFOI	RE SACRIFICE.	FORE SACRIFICE. NO LITTER DELIVERED.		
Tissue VAGINA	Histopat Required	Kistopathologic diagnoses		atholog / Special hist	sthology Observations >> / Special histological comments		

			·/·› ·/› ·/ ·/		
LETTERMAN ARMY INSTITUTE OF RI DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN EDANCISCO. CA	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO CA 02,120	r I	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012F	PRINTED: 16-Apr-90 Page: 188
RAT/Sprague-Dawley	ey		Study Start Date: 21-Jul-87	21-Jul-87	TERATOLOGY/
Animal: 87000482 Day of death: 106	00482	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	12.7 P 0.32
Tissue	Finding, severity	8 8 0 1 9 >>	s q 0		
WHOLE BODY	NO LESIONS RECOGNIZED	0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Necropsy memos	*	Xeclopsy X	X 6 3 0 8 VV	
		S BEFORE SACRIFIC	FORE SACRIFICE. NO LITTER DELIVERED.	VERED.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue		<pre><< P a t h o l o noses / Special hi</pre>	athology Observations /Special histological comments	×	
PITUITARY GLAND	Required protocol tissue i	sue is missing.			5

CYST(S), Mild, Multifocal.

OVARIES

LETTERMAN ARMY II DIV OF RES SUPP, PRESIDIO OF SAN	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO CA 04120		Individual Animal Data Dump Table Study Number: 87012F	able.	PRINTED: 16-Apr-90 Page: 189
RAT/Sprague-Dawley	ey		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000485 Day of death: 107	00485	Sex: Female Status: NORMAL,	Group: 4	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.32
	Finding, severi	Ÿ	Gross Observations >> Gross Free-Text Comments	s yy	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
WHOLE BODY	NO LESIONS RECOGNIZED	ED	**************************************		
Tissue	Necropsy memos		< Merchopsy Memos >>	*	
UTERUS	SPERM POSITIVE 24 DAYS BE		FORE SACRIFICE. NO LITTER DELIVERED.	, q q q q q q q q q q q q q q q q q q q	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue TERUS.	Mistopathologic diagnoses	<pre><< ' P a ignoses / i i, Diffuse.</pre>	Mistopathologic diagnoses / Special histological comments DILATED LUNEN, Mild, Diffuse.	Å, % E	

Miscellaneous. INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

VAGINA

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LETTERMAN ARMY INSTITUTE OF RESEARCH	ISTITUTE OF	RESEARCH	4	puI	ividual Animal D	ata Dump Table	ı	_	PRINTED: 16-Apr-90
DIV OF RES SUPP, PATH SERV GP	PATH SERV G	d.			Study Number: 87012F	: 87012F			Page: 190
RAT/Sprague-Dawley	FKANCISCO, C	7 74 129			Study Start Date: 21-Jul-87	: 21-Jul-87	1		TERATOLOGY/
Animal: 87000497 Day of death: 106	500497 5	Status: NORMAL		EUTHANIZED	Group: 4		Dose level: Terminal body weight (kms):	Dose level: sight (kms):	12.7 PPT/day 0.31
! ! !	Finding, severity	everity		8 S O L U	D S G C	Observations >>> Observations >>> Gross Free-Text Comments	v		
WHOLE BODY	NO LESIONS RECOGNIZ	NO LESIONS RECOGNIZED	Q:						
	Necropsy memos	REMOS	1	0 2 2	Z > 0 C C C C C C C C C C C C C C C C C C	T		1 0 0 0 0 1 1 4	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	SPERM POSI	SPERM POSITIVE 25 DAYS BEF	YS BEFOR	RE SACRIFICE	FORE SACRIFICE. NO LITTER DELIVERED.	IVERED.			
Tissue		// // // // // // // // // // // // //	<< P a	stholo Special his	vathology Observations /Special histological comments	r vation ts	^		
All protocol required tissues normal.	uired tissue	red tissues normal.	· • • • •	0 1 1 5 8 8 9 8 9	5				

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DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP 130 C AND SPANCED OF A DATE		Indiv	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 191
RAT/Sprague-Dawley	TARRETSCO, CA 74127		St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000500 Day of death: 128	00200	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4 Termina(Dose level: Terminal body weight (kms):	12.7 PPT/day 0.26
Tissue	Finding, severity	¥	\$ C C C S S	بر ء	40	
WHOLE BODY	NO LESIONS RECOGNIZED	ED	1 1 1 1 1 1 1 1 1		; ; ; ;	
UTERUS	INVOLUTION SITES			-		
Tissue	Necropsy memos	1	× × × × × × × × × × × × × × × × × × ×	У X С В В С X X X X X X X X X X X X X X X		
No necropsy memos						
Tissue	Histopathologic diagnose	<pre><< p gnoses / ses, Mil </pre>	s / Special historements	Anstopathologic diagnoses / Special histological comments PIGMENT IN MACROPHAGES, Mild, Focal.	*	

PATHOLOGY
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			ĭ	APPENDEN O (COMC.). FAIROLOGI		PINOPORT			
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DBESTRYO OF SAN EDANCISCO CA 02430	STITUTE OF PATH SERV G	RESEARCH P		Individ	Individual Animal Data Dump Table Study Number: 87012F	Dump Table 7012F			PRINTED: 16-Apr-90 Page: 192
RAT/Sprague-Dawley	7	74 I E Y		Stud	Study Start Date: 21-Jul-87	1-Jul-87			TERATOLOGY/
Animal: 87000503 Day of death: 142	00503	Sex: Feas Status: NORM	Sex: Female tus: NORMAL,	le al, euthanized	Group: 4	Terminal	Terminal body weight (kms):	<pre></pre>	12.7 PPT/day 0.28
Tissue	Finding, severity	everity	*	8 8 0 L 5	Observations >>> Oross Free-Text Comment	Gross Free-Text Comments	6 6 5 1 6 6 6 7 1 1 1 1		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZA	ED	0 0 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0	8 0 0 0 0 0 0 0 0	P P P P P P P P P P P P P P P P P P P	*		2 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
UTERUS	INVOLUTION SITES	SITES			14				
Tissue	Necropsy memos	enos		X	x	AA SS CE 49			
No necropsy memos recorded on animal	recorded o	n animat	· · ·						
Tissue	<pre></pre>	logic dias	<< p	Pathology Observations / Special histological comments	Observ gical comments		*		
UTERUS	PI CHENT IN	MACROPHAGES, M	GES, Mod	PIGMENT IN MACROPHAGES, Moderate, Multifocal.		• • • • • • • • • • • • • • • • • • •	5	; ; ; ;	5 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
VAGINA	Miscellaneous. INFLAMMATION, SUBACUTE, Mild, Focal,	ous. On. Subacu	UTE, Mil	d. Focal.					

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH	CH	Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table	PRINTED: 16-Apr-90 Page: 193
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 9412' ey	D	St	Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 8700504 Day of death: 130	00504 Sta	. 4	, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.27
Tissue	Finding, severity	¥	S S O L G	Observations >>> Gross Free-Text Congents	ns >> t Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	NIZED				
UTERUS	INVOLUTION SITES			14		
Tissue			× × × × × × × × × × × × × × × × × × ×	νο Ε υ Σ	^	
No necropsy memos	No necropsy memos recorded on animal	a l				
	*** Histopathologic diagnoses	<pre><< p diagnoses /</pre>	atholog Special histo	Pathology Observations / Special histological comments	^^ % C O :-	
All prótocol requ	All prótocol required tissues normal.	al.				

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	18CH	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 194
RAT/Sprague-Dawley	,		Study Start Date: 21-Jul-87	TERATOLOGY
Animal: 87060505 Day of death: 128	00505	Sex: Female Status: NORMAL,	Group: 4 Dose (evel: Terminal body weight (kms):	12.7 PPT/day 0.31
Tissue	Finding, severity	¥	Gross Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	GNIZED		
UTERUS	INVOLUTION SITES	v	13	
Tissue Necropsy memos	Necropsy memos		<< Recropsy Resos >>	
Tissue UTERUS	Mistopathologic diagnoses /	diagnoses /	athology Observations >> / Special histological comments	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV C	RESEARCH IP	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 195
RAT/Sprague-Dawley	XANCISCO, C	,A 94 29	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000506 Sex: Female Day of death: 130 Status: NORMAL	00506	Sex: Female Status: NORMAL,	Group: 4 Dose level: , EUTHANIZED	12.7 PPT/day 0.32
Tissue	Finding, severity	<< everity	8 q O S S O L D	
WHOLE BODY	NO LESIONS R	NO LESIONS RECOGNIZED	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
UTERUS	INVOLUTION SITES	I SITES	12	
Tissue	Necropsy memos	Remos		
No necropsy memos recorded on animal	recorded	1		1
Tissue	Kistopatho	/ >> logic diagnoses /	Aistopathologic diagnoses / Special histological comments	
PITUITÁRY GLAND	/ONLY PARS	/OWLY PARS DISTALLS PRESENT RECUT DONE		

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		Appendix O (Cont.): PATHOLOGY	
LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO CA 02120	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 196
RAT/Sprague-Dawley	,	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000510 Day of death: 130	00510	le Dose level: AL, EUTHANIZED Group: 4 Terminal body weight (kms):	12.7 PPI/day 0.34
Tissue	Finding, severity	<pre><< Gross free-Text Comments</pre>	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
WHOLE BODY	NO LESIONS RECOGNIZED	0	
UTERUS	INVOLUTION SITES	4	
Tissue	Necropsy memos	<< Recrobsy Heads >>	
No necropsy memos	recorded on animal		5 5 6 6 7 6 7 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Histopathologic diag	<pre><< p a t h o l o g y 0 b s e r v a t i o n s >> Wistopathologic diagnoses / Special histological comments</pre>	
UTERUS.	PIGMENT IN MACROPHAGES,	ES, Moderate, Multifocal.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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LETTERMAN ARMY INSTITUTE OF RESTARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RIP	ESTARCH	Indi	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 197
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA Y	94129	Ø	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 8700513 Day of death: 130	00513	Sex: Female Status: NORMAL	, EUTHANIZED	Group: 4 Dose level: Terminal body weight (kms):	12.7 PPT/day 0.29
	Finding, severity	<< verity	О Г	bservations >> Gross Free-Text Comments	
UTERUS	INVOLUTION SITES	SITES	0 0 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14	6 a a a a a a a a a a a a a a a a a a a
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZED			
Tissue	Necropsy memos	80	E **	A SOEUX ASOCIOUX	
No necropsy memos recorded on animal	recorded on a	animal			
Tissue	Histopathold	u.	atholog / Special hist	vathology Observations >> / Special histological comments	
IITERUS.	PICKENT IN	DICENTAL IN EXCEDENABLE STADE	joht, Focal		

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		Appendix O	Appendix o (cont.): FAIROLOGI	FATRODOGI		
LETTERMAN ARMY I DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Ind	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012F		PRINTED: 16-Apr-90 Page: 198
RAT/Sprague-Dawley	FKANCISCO, CA 74129 ey		Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000514 Day of death: 115	00514	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4	Terminal body we	Dose level:	12.7 PPT/day 0.29
Tissue	Finding, severity	0 0 1 9	Observat Gross Free	Observations >> Gross Free-Text Comments		
UTERUS	WHITE SPOTS		-			
Tissue		¥	X P S C C C S S C X X X E E	~^ vo E + x		
UTERUS	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.	YS BEFORE SACRIFICE	NO LITTER DELI	VERED.		
Tissue	Histopathologic diagnoses	<pre><< P a t h o l o noses / Special his</pre>	Pathology Observations / Special histological comments	servations >> omments		
OVARIES	H'YPERPLASIA, INTERSTITIAL	CELL, Mild, M	•			

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 94129	NSTITUTE OF PATH SERV G	RESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 199
RAT/Sprague-Dawley	ey			51	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000517 Day of death: 133	00517	Sex: F	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4 Dose level: Terminal body weight (kms):	Dose level: Reight (kms):	12.7 PPT/day 0.29
Tissue	Finding, severity	everity	¥	8 8 0 1 9	Observations >> Gross Free-Text Comments	7 5 5 7 6 8 9 8 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESTONS	NO LESIONS RECOGNIZED				3 5 7 1 1 1 1 4 4 4 4 1	
UTERUS	INVOLUTION SITES	SITES			12		
Tissue	Necropsy memos	lemos		> N CL O U N X	** SOEUE >SOLO		
No necropsy memos recorded on animal	s recorded o	n animal					3
Tissue	Histopatho	<pre>Kistopathologic diagnoses</pre>		atholog Special histo	athology Observations >>/		
UTERUS.	PIGMENT IN MACROPHAGES, Mild, Focal.	MACROPHAG	ES, Mile	d, Focal.	cal.		

LETTERMAN ARMY I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP Study Number: 87012F	PRINTED: 16-Apr-90 Page: 200
PRESIDIO OF SAN FRI RAT/Sprague-Dawley	r FKANCISCO, CA 94129 aley	TERATOLOGY/
Animal: 87000521 Day of death: 115	00521 Sex: Female Status: NORMAL, EUTHANIZED	12.7 P 0.32
Tissue	u., z	
UTERUS	FETUS IN UTERUS	
Tissue	Necropsy memos SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.	
Tissue. PITUITARY GLAND	Astopathologic diagnoses / Special histological comments ONLY PARTES DISTALIS AND INTERMEDIA PRESENT RECUT DONE	
UTERUS	DILATED LUMEN, Severe, Multifocal.	
FETUS	Autolytic, Readable, Miscellaneous. Autolysis, Associated With Endometrial inflammation, Present.	

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		Appendix	Appendix O (Cont.): PATHOLOGY	PATHOLOGY	
LETTERMAN ARMY II DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 04.120	ä	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012f	PRINTED: 16-Apr-90 Page: 201
RAT/Sprague-Dawley	ley		Study Start Date: 21-Jul-87	21-Jul-87	TERATOLOGY/
80 1	00528 Sex: Status:	Female Normal, Euthanized	Group: 4	Dose level: Terminal body weight (kms):	12.7 PPI/day 0.30
Tissue.	Finding, severity	8 8 0 1 9 >>		Observations >> Gross Free-Text Comments	4 4 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
WHOLE BODY	6 €				
UTERUS	INVOLUTION SITES		11		
Tissue	Necropsy memos	2 2	ж У о о с о е Э	жево» >>	
No necropsy memos	No necropsy memos recorded on animal				3 6 8 8 5 2 2 3 5 5 2 4 6 6 8 8 8 8 8 8 8
Tissue	Histopathologic diagnoses	_ ''	athology Observations / Special histological comments		
UTERUS	PIGHENT IN MACROPHAGES, MI	d, Multifo	al.	4 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 94129	Individual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 202
RAT/Sprague-Dawley	Y.	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000530 Day of death: 115	00530 Sex: Female Status: NORMAL,	Group: 4 Terminal body weight (kms):	12.7 PPT/day 0.26
Tissue		s q 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
WHOLE BODY	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Necropsy memos	<	
	28 DAYS B	IEFORE SACRIFICE. NO LITTER DELIVERED.	6 0 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Tissue	<pre>4</pre>	Aistopathologic diagnoses / Special histological comments	
PITUITARY GLAND	/ONLY PARS DISTALIS PRESENT RECUT DONE		

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table	_	PRINTED: 16-Apr-90 Page: 203
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 ey		St	Study Start Date: 21-Jul-87	87		TERATOLOGY/
Animal: 87000532 Day of death: 115	00532	Sex: Female Status: NORMAL,	EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	.ve(:	12.7 PPT/day 0.35
	Finding, severity	¥	8 8 0 1 9	O b s e r v a t i o n s >>> Gross Free-Text Comments	n s >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	ED	; 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Tissue	Necropsy memos		× × × × × × × × × × × × × × × × × × ×	S O E O W A A O O	^		
# 	SPERM POSITIVE 27 DAYS BEFORE SA	YS BEFO	RE SACRIFICE.	FORE SACRIFICE. NO LITTER DELIVERED.			
Tissue	Histopathologic diagnoses	<< · P a	s t h o l o g Special histo	Pathology Observations /Special histological comments	^^ S C O		
PITUITARY GLAND	CYST(S), Moderate, Focal.	Focal.					
OVARIES	CYST(S), Mild, Focal.	<u>.</u> :					

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94,129	Individual Animal Data Dump Table Study Number: 87012F	Data Dump Table Der: 87012F	PRINTED: 16-Apr-90 Page: 204
RAT/Sprague-Dawley	67	Study St	ite: 21-Jul-87	TERATOLOGY/
Animal: 87000538 Day of death: 133	00538	Sex: Female Status: NORMAL, EUTHANIZED): 4 Dose level: Terminal body weight (kms):	12.7 PPT/day 0.30
Tissue WHOLE BODY	Finding, severity NO LESIONS RECOGNIZED	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Observations >>> Gross Free-Text Comments	
UTERUS	INVOLUTION SITES	13		
Tissue	Tissue Necropsy memos	>>	T e B o s >>	
Tissue PITUITÄRY GLAND	Histopathologic diagnoses	Aistopathologic diagnoses / Special histological comments /ONLY PARS DISTALIS PRESENT RECUT DONE	ervations >> ents	
UTERUS	PIGMENT IN MACROPHA	PIGMENT IN MACROPHAGES, Mild, Multifocal.		

LETTERMAN ARMY IN: DIV OF RES SUPP, I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individu S	Individual Animal Data Dump Table Study Number: 87012F	able		_	PRINTED: 16-Apr-90 Page: 205
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA 94129 Y		Study	Study Start Date: 21-Jul-87	4			TERATOLOGY/
Animal: 87000539 Day of death: 133	00539	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	Dose level: leight (kms):	evel: kms):	12.7 PPT/day 0.29
Tissue	Finding, severity	>	W		S VV Comments			
WHOLE BODY	NO LESIONS RECOGNIZED	ZED						
UTERUS	INVOLUTION SITES			10				
	Necropsy memos		× × × × × × × × × × × × × × × × × × ×	NO E U X	^			
No necropsy memos	No necropsy memos recorded on animal							
Tissue	Histopathologic diagnoses / Special histo	AGES, Mil	s t h o l o g y O b s e r v Special histological comments d, Multifocal.	Histopathologic diagnoses / Special histological comments PIGMENT IN MACROPHAGES, Mild, Multifocal.	۸ ۸ ۷		•	

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	**	Appendix O (cont.): PATHOLOGY
LETTERMAN ARMY III DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDED OF SAN FRANCISCO CA 04130	Individual Animal Data Dump Table PRINTED: 16-Apr-90 Study Number: 87012f
RAT/Sprague-Dawley	**************************************	Study Start Date: 21-Jul-87
Animal: 87000540 Day of death: 149	00540	Group: 4 Dose level: 12.7 P EUTHANIZED Group: 4 Terminal body Weight (kms): 0.31
Yissue		<pre><< Gross Tree-Text Comments</pre>
WHOLE BODY	NO LESIONS RECOGNIZED	
UTERUS	INVOLUTION SITES	15
Tissue	Necropsy memos	< NOED NY MARON >>
No necropsy memos	No necropsy memos recorded on animal	
	< <p>** Histopathologic diagnoses</p>	Pathology /Special histol
UTERUS	PIGHENT IN MACROPHAGES, Moderate, Multifocal	oderate, Multifocal.

		App	endix 0	Appendix 0 (Cont.):	PATHOLOGY			
DIV OF RES SUPP,	DIV OF RES SUPP, PATH SERV GP		Indi	Individual Animal Data Dump Table Study Number: 87012F	ita Dump Table 87012F			PRINTED: 16-Apr-90 Page: 207
PRESIDIO OF SAN FRAI RAT/Sprague-Dawley	RANCISCO, CA 94129 Y		S	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY,
Animal: 87000816 Day of death: 165	0816	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4		Dose level: Terminal body weight (kms):	Dose (evel:	12.7 PPT/day 0.30
	severity	¥	8 8 0 L 5 >>	Observ Gross F	Observations >> Gross Free-Text Comments			
WHOLE BODY	NO LESIONS RECOGNIZED		; ; ; ; ; ; ;	; ; ; ; ; ; ; ; ;				
UTERUS	INVOLUTION SITES			14				
Tissue	Necropsy memos		2 0	X	^^			
No necropsy memos	No necropsy memos recorded on animal	 						
Tissue	A pathologic diagnoses / Special histological comments	<pre><</pre> <pre><</pre> <pre></pre> <pr< td=""><td>tholog Special hist</td><td>y Obser</td><td>· < artions >></td><td></td><td>8 8 8 8 9</td><td>0 8 8 4 4 8 8 9 9 9</td></pr<>	tholog Special hist	y Obser	· < artions >>		8 8 8 8 9	0 8 8 4 4 8 8 9 9 9
VAGINA	INFLAMMATION, LYMPHOCYTHEMORRHAGE, Mild, Focal		IC, Moderate, Diffuse.	fuse.				

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LETTERMAN ARMY IN DIV OF RES ST PP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES S' PP, PATM SERV GP PRESIDED OF SAM FRANCISCO CA 04120		Indiv	Individual Animal Data Dump Table Study Number: 87012F	ita Dump Table 87012F			PRINTED: 16-Apr-90 Page: 208	6-Apr-90
RAT/Sprague-Dawley	AAT/Spreade-barley		51	Study Start Date: 21-Jul-87	21-Jul-87			11	TERATOLOGY/
Animal: 87000820 Day of death: 175	00820	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4	5 5 6 1 1 4 4	Dose level: Terminal body weight (kms):	level: (kms):	12.7 PPT/day 0.29	/day
Tissue	Finding, severity	¥	8 O L	Observ Gross F	0 b s e r v a t i o n s >> Gross Free-Text Comments	- 0 1 1 1 1 1 1 1 1 1 1 1	1 1 0 0 1	3 7 1 1 1 1	• • • • • •
WHOLE BODY	NO LESIONS RECOGNIZED	ED	• • • • • • • • • • • • • • • • • • •					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
UTERUS	INVOLUTION SITES			13					
Tissue	Mecropsy memos		<< Necropsy		X				
No necropsy memos	No necropsy memos recorded on animal			• • • • • • • • • • • • • • • • • • •		* * * * * * * * * * * * * * * * * * *		2 6 6 6 1 1 1 6	1 1 2 1 1 1
Tissue	Airtopathologic diagnose	/< b	atholog Special histo	Pathology Observations es/Special histological comments	vations >>				
	INFLAMMATION, LYMPHOCYTI		IC, Slight, Multifocal.	ocal.	, 0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		! ! ! !	• • • • • • •	6 0 0 0 0 0 0 0 0
VAGINA	INFLAMMATION, LYMPHOCYTI	CYTIC,	IC, Slight, Focal.						

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERY GP	STITUTE OF A	RESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 209
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA	4 94129	St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 8700824 Day of death: 170	00824	Sex: Female Status: NORMAL,	EUTHANIZED	body we	Dose (evel: eight (kms):	12.7 PPT/day 0.33
• • •	Finding, severity	! ! !	\$ \$ O L U	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZED	1 1 1 1 1 1 1 1 1 1 1			
UTERUS	INVOLUTION SITES	SITES		14		
Tissue		80 E	Necrobs			
No necropsy memos recorded on animal	recorded on an	animal				
Tissue Mistopathologic dia	Histopathol	« « » »	s t h o l o g Special histo	athology Observations >> / Special histological comments		

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012F	Dump Table 7012F	PRINTED: 16-Apr-90 Page: 210
RAT/Sprague-Dawley	**************************************	Study	1-Jul-87	TERATOLOGY/
Animal: 87000834 Day of death: 165	00834	Sex: Female Status: NORMAL, EUTHANIZED	Dose leverminal body weight (kr	12.7 PPT/day
Tissue	Finding, severity	• • • • •		
WHOLE BODY	NO LESIONS RECOGNIZED			0 0 0 1 1 1 1 1 1 1 2 6 6 6
UTERUS	INVOLUTION SITES	14		
Tissue	Necropsy memos	νοΕ υχ. ≻ναοιουχ. >>	^^ %	
No necropsy memos				
Tissue	Kistopethologic diagnos	Path s/speci	artions >>	
UTERUS	PICKERT IN MACROPHAGES, MILD, Focal,			***************************************

		Appendix O	Appendix 0 (Cont.): PATHOLOGY	PATHOLOGY	
DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	In	Individual Animal Data Dump Table Study Number: 87012F	ita Dump Table : 87012F	PRINTED: 16-Apr-90 Page: 211
RAT/Sprague-Dawley	KANCISCO, CA 74127		Study Start Date: 21-Jul-87	: 21-Jul-87	TERATOLOGY/
Animal: 87000852 Day of death: 168	00852	Sex: Female Status: NORMAL, EUTHANIZED	guoug	ו: ל Terminal body weight (kms):	12.7 PPT/day 0.32
Tissue	Finding, severity	ν ν ν ν	Observ Gross f	i o n -Text	
WHOLE BODY	NO LESIONS RECOGNIZED	1	; ; ; ; ; ; ;		
UTERUS	INVOLUTION SITES		15		
Tissue	Necropsy memos	ē ×	X NO COLO EX	X 630 V	
No necropsy memos	No necropsy memos recorded on snims!		* * * * * * * * * * * * * * * * * * *		
Tissue	Aistopathologic diagnoses / Special histological comments	c Patholo loses/Special his	gy 0 bser stological comment	. < a t ii o n s >> is	
UTERUS"	PIGMENT IN MACROPHAGES, MI	S, Mild, Focal.			

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAW FRANCISCO. CA 94129		Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table		۵.	PRINTED: 16-Apr-90 Page: 212
RAT/Sprague-Dawley	ey		St	Study Start Date: 21-Jul-87	87			TERATOLOGY/
Animal: 87000856 Day of death: 168	00856	Sex: Female tus: NORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	Dose level: eight (kms):	evel: kms):	12.7 PPT/day 0.32
Tissue	Finding, severity	¥	S S O L D	bservati Gross Free-Te	ons >> ext Comments	6 6 8 9 9	e 0 1 0 1 0 1 3	3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	! !	8 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
UTERUS	INVOLUTION SITES			12				
Tissue	Necropsy memos	,	** X e C 1 o p s Y	opsy Mesos	*			
No necropsy memos	4		9	# 6	8			
Tissue	<pre></pre>	<pre> < b</pre>	atholog /Special histo	Pathology Observations //Special histological comments	۸ « د			
UTERUS"	PIGMENT IN MACROPHAGES, Mild, Multifocal.	IGES, Mil	d, Multifocal.					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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RAT/Sprague-Dawley		0, CA 74129	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000868 Day of death: 170	28 :		Group: 4 Terminal	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.32
Tissue	Finding, severity	<< serity	Gross Observations >> Gross Free-Text Comments	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZED	• • • • • • • • • • • • • • • • • • •	* * * * * * * * * * * * * * * * * * *	
UTERUS	INVOLUTION SITES	SITES	7		
Tissue	Necropsy memos	SOE	<< Necropsy Memos >>		
No necropsy memos recorded on animal	recorded on	anima(2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Tissue	Histopathol	<pre></pre>	athology Observations / /Special histological comments	^	
VAGINA"	INFLAMMATIO	_	Slight, Focal.		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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DIV OF RES SUPP. P. P. PRESIDIO OF SAN FR.	DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129			PRINTED: 16-Apr-90 Page: 214
			Study Start Date: 21-Jul-87	
Animal: 87000874 Day of death: 182	30874	Sex: Female	Dose level:	12.7 PPT/day
Tissue	Finding, severity	¥	0 b s e r v a t i o n s v v Gross Free-Text Comments	
HOLE BODY	NO LESIONS RECOGNIZED	9		
UTERUS	INVOLUTION SITES		15	
Tissue	Necropsy memos			
No necropsy memos	No necropsy memos recorded on animal			
Tissue	A Histopathologic diagnoses	<pre><< p noses /</pre>	athology Observations >> / Special histological comments	
UTERUS.	PIGHENT IN MACROPHAGES WILL SALL	71:1		

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM FRANCISCO CA 02120		Inc	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012F		PRINTED: 16-Apr-90 Page: 215
RAT/Sprague-Dawley	A			Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000884 Day of death: 169	00884 Sta	Sex: Female tus: NORMAL,	EUTHANIZED	Group: 4	:	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.31
Tissue	Finding, severity	¥	8 8 0 2 9	Observati Gross Free-T	0 b s e r v a t i o n s >> Gross Free-Text Comments	#	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED			* * * * * * * * * * * * * * * * * * *	2	• • • • • • • • • • • • • • • • • • •	
UTERUS	INVOLUTION SITES			15			
Tissue	Necropsy memos		0 2 V	E Y N C O C U B X	^^		
No necropsy memos	No necropsy memos recorded on animal						
Tissue		<< P	atholo Specialhis	gy Obser tological comment	>>>>>>		
All protocol requ	All protocol required tissues normal.	; ; ;		***************************************	1		1

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Indi	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 216
RAT/Sprague-Dawley	% ;		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000894 Day of death: 176	00894	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4 Terminal	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.33
Tissue		*	Observations >> Gross Free-Text Comments	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2
) do	NO LESIONS RECOGNIZED	# 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES		11		
Tissue	Tissue Mecropsy memos	Z	Necrobs Y Megos >>		
Tissue	Histopathologic diagnos	Pathologies/Special histo	Aistopathologic diagnoses / Special histological comments	*	
VAGINA .	MEMORRANGE, Moderate, Moce.				

LETTERMAN ARMY INSTITUTE OF RIDIN OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012F	PRINT	PRINTED: 16-Apr-90 Page: 217
RAT/Sprague-Dawley	**************************************	Study		TERATOLOGY/
Animal: 8700896 Day of death: 149	10896	Group: 4	Dose level: 12. Terminal body weight (kms): 0.3	12.7 PPT/day 0.32
	Finding, severity	<pre><< Gross Observations >> Gross Free-Text Comments</pre>	4 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 5 6 7 7 9 9
WHOLE BODY	NO LESIONS RECOGNIZED	ZED	2	:
UTERUS	INVOLUTION SITES	15		
Tissue	Mecropsy memos	<< Reclopsy Teaos >>		
No necropsy memos	No necropsy memos recorded on animal		3 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
T ssue	<pre>// / // / // / // / // / // / // / //</pre>	<pre><< Pathology 0bservations >> agnoses / Special histological comments</pre>		
UTERUS '	PIGNENT IN MACROPHAGES, MI HEMORRHAGE/HEMATOMA, Moder	PIGNENT IN MACROPHAGES, Mild, Multifocal. NEWORRHAGE/HEMATONA, Moderate, Focal.	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
VAGINA	HEMORRHAGE, Mild, Focal.			

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LETTERMAN ARMY II DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 92120	X 0.		Indi	Individual Animal Data Dump Table Study Number: 87012F	ta Dump Table 87012F		PRINTED: 16-Apr-90 Page: 218
RAT/Sprague-Dawley	ley			v	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000898 Day of death: 169	00898	Sex: Female tus: NORMAL	emale IORMAL,	Sex: Female Status: NORMAL, EUTHANIZED	Group: 4	: : : :	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.31
Tissue	9		*	8 8 0 1 9 >>	Observ Gross F	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	NIZED		6 5 5 6 6 6 7	1 5 6 6 8 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		* * * * * * * * * * * * * * * * * * *	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	INVOLUTION SITES	**			13			
Tissue	Necropsy sesos	-		Z >>	Necrobsy Me	T e B O S >>		
Tissue	recippy memos recorded on animal	ial diagnos	4	thologous transfer	Pathology Observations Cracial histology	vations >>		
All protocol requ	All protocol required tissues normal.							

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	F RESEARCH GP	Indivi	Individual Animal Data Dump Table Study Number: 87012F		PRINTED: 16-Apr-90 Page: 219
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO,	CA 94129	Stu	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000912 Day of death: 149		Sex: Female Status: NORMAL,	EUTHANIZED	Group: 4 Terminal body weight (kms):	Dose level: ight (kms):	12.7 PPT/day 0.36
Tissue	Finding,	<pre>// Finding, severity</pre>	8 8 0 1 9	n s >> t Comments		
UTERUS	WHITE SPOTS	ors	0 1 1 1 1 0 0 0 0 0 0 0 0	2		
Tissue	Necropsy memos	ae ao s	N G O L O B N V	ор S У жевоя >>	1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	SPERM PO	SPERN POSITIVE 25 DAYS BEFOI	RE SACRIFICE.	ORE SACRIFICE. NO LITTER DELIVERED.		
Tissue UTERUS	Histopat Inflamma	Histopathologic diagnoses /	Special histologic	athology Observations >> / Special histological comments Slight, Multifocal.		

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		Appendix o	Appendix o (cont.): FATHOLOGY		
LETTERMAN ARMY INDIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Individ	Individual Animal Data Dump Table Study Number: 87012F		PRINYED: 16-Apr-90 Page: 220
RAT/Sprague-Dawley	ey	Stud	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000924 Day of death: 162	00924	Sex: Feasle Status: NORMAL, EUTHANIZED	Group: 4 Termin	Dose level: Terminal body Weight (kms):	12.7 PPT/day 0.35
Tissue WHOLE BODY		¥	Observations VY Gross Free-Text Comments	φ.	
UTERUS	INVOLUTION SITES		-		
	Mecropsy memos	< Necropsy			
No necropsy memos	No necropsy memos recorded on animal		, 3 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0 2 4 0 8 0 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tissue	Histopathologic diag	<pre><< P a t h o l o g y gnoses / Special histolog</pre>	Aistopathologic diagnoses / Special histological comments	*	
UTERUS .	PIGNENT IN MACROPHAGES, NO INFLAMMATION, LYMPHOCYTIC,	PIGMENT IN MACROPHAGES, Moderate, Focal.			1

		Ap	pendix	0	Appendix 0 (Cont.):	PATHOLOGY				
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RESEAR	#5 ¢	ä	ndividu S	sal Animal Da Study Number:	Individual Animal Data Dump Table Study Number: 87012F			PRINTED: 16-Apr-90 Page: 221	5-Apr-90 21
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA 9412 Y	<u>></u>		Study	Study Start Date: 21-Jul-87	21-Jul-87		1	181	TERATOLOGY/
Animal: 87000932 Day of death: 154	00932		EUTHANIZE		Group: 4		body w	Dose level: sight (kms):	12.7 PPT/day 0.36	/day
Tissue	Finding, severity	, !	8 8 0 L D >>	2	Observ Gross F	O b s e r v a t i o n s >> Gross Free-Text Comments				
WHOLE BODY	NO LESIONS RECOGNIZED	NIZED								
UTERUS	INVOLUTION SITES				12					
Tissue	Necropsy memos		a) 72 V	X e C L O D S Y		^^				
No necropsy memos recorded on animal	recorded on anim	la l								
	< <p>Histopathologic diagnoses</p>	<pre><< p diagnoses /</pre>	sthold Special hi	g y stolog	O to ser Jical comment	Pathology Ohservations s/Special histological comments	^	1		
UTERUS .	INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal. HEMORRHAGE/HEMATOMA, Mild, Focal.	MPHOCYTIC, OMA, Mild,	Slight, Mul Focal.	l t i foca	٠,					

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN P	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 04.120	Individ	Individual Animal Data Dump Table Study Number: 87012f	u	PRINTED: 16-Apr-90 Page: 222
RAT/Sprague-Dawley	AAT/Sprague-Dawley		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000934 Day of death: 185	00934	Sex: Female Status: NOMMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.36
	Finding, severity	\$ \$ 0 L D >>	Observations >> Gross Free-Text Comments	>> nents	8 0 2 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
\$580.	WHITE FOCI, MILD	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		3	
GTERUS	INVOLUTION SITES		18		
Tissue	Mecropsy memos	>> A C O C C O B M			
No necropsy memos	nimel				\$ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	/<	Pathology ses / Special histolog	Aistopathologic diagnoses / Special histological comments	Å	
	CYST(S), Mild, Focal.			, 0 0 0 0 5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5	T 0 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
UTERUS	PIGMENT IN MACROPHAGES,	, Moderate, Focal.			
רחאפ	Miscellaneous. ALVEOLAR HISTIOCYTOSIS, Mild, Multifocal. NEMORRHAGE, Mild, Focal. INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Diffuse.	, Mild, Multifocal. - IAL, SUBACUT <u>E</u> , Míld,	Diffuse.		

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF PATH SERV G	RESEARCH 3P		Indiv	Individual Animal Data Dump Table Study Number: 87012F	Table		<u>.</u>	PRINTED: 16-Apr-90 Page: 223
PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	FRANCISCO, (ey	CA 94129		St	Study Start Date: 21-Jul-87	87			TERATOLOGY/
Animal: 8700054 Day of death: 155	000954 5	Sex: Female Status: RORMAL	Sex: Female tus: MORMAL,	EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	Dose	level: (kms):	12.7 PPT/day 0.35
Tissue	Finding, severity	severity	¥	8 8 0 5	Observations VV Gross Free-Text Comments	n s >> Comments			
UTERUS	FETUS IN UTERUS	UTERUS	• • • • • • •						
WHOLE BODY	NO LESION	NO LESIONS RECOGNIZED	ED	ř					
Tissue	Necropsy memos	E		<< Necropsy	N C C C C C C C C C C C C C C C C C C C	^			
UTERUS	SPERM POS	SPERH POSITIVE 26 DAYS BEF	AYS BEFC	ORE SACRIFICE.	SACRIFICE. NO LITTER DELIVERED.				
Tissue	Histopath	<< Il> Histopathologic diagnoses	4 b	atholog Special histo	Pathology Observations / Special histological comments	%			
UTERUS	DILATED LI INFLAMMAT /THE FETU	DILATED LUMEN, MODERATE, INFLAMMATION, SUPPURATIVE	. 札 · III	DILATED LUMEN, Moderate, Multifocal. INFLAMMATION, SUPPURATIVE, Moderate, Focal. /THE FETUS WAS NOT OBSERVED HISTOLOGICALLY	الم الم				
VAGINA	INFLAMMAT	ION, ACUTE	SEROS	INFLAMMATION, ACUTE, SEROSA, Slight, Focal.	at.				

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		Appendix o (cont.): PATHOLOGY	PATHOLOGY	
LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Individual Animal Data Dump Table Study Number: 87012F	ual Animal Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 224
RAT/Sprague-Dawley	>	Study S	ite: 21-Jul-87	TERATOLOGY/
Animal: 8700962 Day of death: 170	00962	Female NORMAL, EUTHANIZED	Group: 4 Dose level: Terminal body weight (kms):	12.7 PPT/day 0.33
Tissue	Finding, severity	8 4 0 8 8 0 L D >>	Observations >> Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	565555555555555555555555555555555555555	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	6
UTERUS	INVOLUTION SITES	15		
Tissue	Necropsy memos	X Y W C O C C O B X	٠	
No necropsy memos	No necropsy memos recorded on animal			
Tissue	Mistopathologic diag	Alistopathologic diagnoses / Special histological comments	ervations >> ents	
UTERUS	PICERNI IN KACROPYAGEN KILL KILL BOAR		***************************************	

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DIV OF RES SUPP, I	DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animel Data Dump Table Study Number: 87012F	PRINTED: 16-Apr-90 Page: 225
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA 94129 Y		St	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 8700976 Day of death: 175	00976	Sex: Female tus: NORMAL,		Group: 4 Dose level: Group: 4 Terminal body weight (kms):	12.7 PPT/day 0.33
Tissue T	Tissue Finding, severity		N O L G	Observations >> Gross Free-Text Comments	
WHOLE BCDY	NO LESIONS RECOGNIZED	ED			
UTERUS	INVOLUTION SITES			16	
Tissue	Mecropsy memos		× × × × × × × × × × × × × × × × × × ×		
No necropsy memos	No necropsy memos recorded on animal				
Tissue	<pre>Aistopathologic diagnoses / Special histologi PIGNENT IN MACROPHAGES, Moderate, Multifocal.</pre>	gnoses / GES, Mod	Special histo	Nistopathologic diagnoses / Special histological comments PIGMENT IN MACROPHAGES, Moderate, Multifocal.	

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RAT/		74167			Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 87000312 Sex: Hale Day of death: 99 Status: NORMAL, EUTHANIZED	100312	Sex: Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 1 Terminal	body we	Dose level: Control sight (kms): 0.48
Tissue	Finding, severity	severity	*	8 0 L U	Observations >>> Gross Free-Text Comments	ns >> t Comments	0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
D	NO LESTON	NO LESIONS RECOGNIZED		> = = = = = = = = = = = = = = = = = = =			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 8 8 C 6		Necropsy memos		<< Necropsy	TOPSY REBOS	^	
No necropsy memos recorded on animal	recorded	on anime!					
Tissue Histopathologic dia	Mistopath	Nistopathologic diagnoses	\ \	Special hist	athology Observations/Special histological comments	athology Observations >> Special histological comments	

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LETTERMAN ARMY INS	LETTERMAN ARMY INSTITUTE OF RESEARCH	•	Individual Animal Data Dump Table Study Number: \$7012M	rable	PRINTED: 13-Feb-90 Page: 2
DIV OF RES SUFF, FAIR SEAVER PRESIDIO OF SAN FRANCISCO, CA 94129	TANCISCO, CA 94129	,	Study Start Date: 21-Jul-87	3.7	TERATOLOGY/
Animal: 87000318 Day of death: 99	Animal: 87000318 Sex: Male Day of death: 99 Status: NORMAL	Male NORMAL, EUTHANIZED	Group: 1	Dose level; Control Terminal body Height (kms): 0.48	Control 0,48
Tissue	Tissue Finding, severity	8 8 0 1 0 8 8	s Observations >>> Gross Free-Text Comments	n s >> Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	9			
		× ×	Reclops X Resos	^	
Tissue	Tissue Necropsy memos		-	1	1
Tissue	Mistopathologic diagnoses	<pre><< p a t h o l inose's / Special</pre>	/ Special histological comments	AA & E O	
PITUITARY GLAND	Required protocol tissue	issue is missing.			
EPIDIDYÄUS	INFLANMATION, LYNPHOCYTIC,	ocytic, Slight, Focal.	ocal.		

	A	Appendix O (Cont.): PATHOLOGY	
LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 92.129	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M	eb-90
RAT/	AT/	Study Start Date: 21-Jul-87	OLOGY/
Animal: 87000324 Day of death: 93	87000324 Sex: Male 93 Status: NORMAL, EUTHANIZED	Group: 1	
Tissue	severity	<pre><< Gross Observations >> Gross Free-Text Comments</pre>	; ; ; ; ;
WHOLE BODY	NO LESIONS RECOGNIZED		•
Tissue		<< Necrobsy Memos >>	
PITUITARY GLAND	NOT SAVED	· · · · · · · · · · · · · · · · · · ·	
Tissue	Histopathologic diagnoses / Special	Histopathologic diagnoses / Special histological comments	
PROSTATE	INFLAMMATION, LYMPHONYTIC, Slight, Focal.	missing. Slight, Focal.	

LETTERHAN ARMY INSTITUTE OF RESEARCH	STITUTE OF PATH SERV (RESEARCH GP		Individ	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 13-Feb-90 Page: 4
PRESIDIO OF SAN PRANCISCO, CA 94129 RAT/	KANCISCO, 1	CA 94129		Stud	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87600328 Sex: Hale Day of death: 93 Status: NORMAL	00328	Status:	Sex: Male Status: NORMAL,	EUTHANIZED	Group: 1 Terminal b	Control
Tissue	Finding, severity	Finding, severity		8 8 0 1 5	S Q	
WHOLE BODY	NO LESIONS RECOGNI	NO LESIONS RECOGNIZED	: : :	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
Tissue				×× × e c r o p s v	Ps Y Xe30s >>	
No necropsy memos recorded on animal	recorded on anim	on animal	1 1 1 1 1 1	1	· · · · · · · · · · · · · · · · · · ·	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Histopatho	Histopathologic diagnoses		athology Special histolo	athology Observations >>/	
PROSTATE	INFLAMMATI	WELANMATION LYMPHOCYTIC.	OCYTIC	INFLAMMATION: LYMPHOCYTIC: Mild: Multifocel:	XXIII XXIIIX	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

DIV OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012M	PR'NYED: 13-Feb-90 Page: 5	ep-90
RAT/	PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/		St	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000330	Animal: 87000330 Sex: Hale		, EUTHANIZED		Dose level: Control Terminal body weight (kms): 0.57	3 8 8 8 8 8 8
Tissue	Finding, severity		8 O L G	Obseryations >> Gross Free-Text Comments		4 1 1 1 1 1
WHOLE BODY	NO LESIONS RECOGNIZED	9		2	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•
T issue	Necropsy memos		v	0 D S Y X & B B O S V		
No necropsy memos	No necropsy memos recorded on animal				-	
Tissue	Kistopathologic diagnoses	Δ.	atholog Special histo	athology Observations /Special histological comments	•	
PROSTATE	INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal. INFLAMMATION, PURULENT, Mild, Multifocal.	CYTIC,	Hild, Hultifoc		Hild, Multifocal.	• • •

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV G	RESEARCH	vibul	Individual Animal Data Dump Table Study Number: 87012M	TRING PRING PRI	PRINTED: 13-Feb-90 Page: 6
PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/	RANCISCO, C	A 94129	Sŧ	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000336 Day of death: 99		Sex: Male Status: NORMAL	EUTHANIZED	Group: 1 Terminal	Dose level: Control Terminal body weight (kms): 0.52	
			8 8 0 1. 5	Observations >>>	y.	
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED				
Tissue	Necropsy memos	, some	<< Necropsy	T U		
No necropsy memos recorded on animal	recorded o	n boisel	• · · · · · · · · · · · · · · · · · · ·			
Tissue	Histopatho	/< p	atholog Special histo	<a a="" tions<="">	^	
PITUITARY GLAND	INFLAMMATI	INFLAMMATION, LYMPHOCYTIC,	Slight, Focal.	Tocal.		 -
TESTIS	DEGENERATI	DEGENERATION. SEMINIFEROUS	TUBULES, Sligh	TUBULES, Slight, Multifocal.		

INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

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LETTERMAN ARMY IN	LETTERMAN ARMY INSTITUTE OF RESEARCH	Individual Animal Data Dump Table 13-Feb-90	1-Feb-90
PRESIDIO OF SAN F	PRESIDIO OF SAN FRANCISCO, CA 94129	Study Number: 87012M Page: 7	
RAT/		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000339 Day of death: 93	00339 Sex: Male Status: NORHAL,	Group: 1 Terminal body weight (kms): 0.45	0 0 0 0 0 0 0 0
Tissue	Finding, severity	Gross Free-Text Comments	9 3 3 6 3 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6
WHOLE BODY	NO LESIONS RECOGNIZED		
Tissue	Necropsy memos		
No necropsy memos	No necropsy memos recorded on animal		
Tissue.		pathology Observations >> / Special histological comments	
EPIDIDYMUS	INFLAMMATION, LYMPHOCYTIC,	Slight, Focal.	1
PROSTATE	INFLAMMATION, LYMPHOCYTIC,	Mild, Multifocal.	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	ISTITUTE OF RESE/ PATH SERV GP	ARCH	Indi	Individual Animal Data Dump Table Study Number: 87012M	PRINTED:	PRINTED: 13-Feb-90 Page: 8
PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/	RANCISCO, CA 94	129	is .	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000347 Day of death: 93	•	Sex: Male Status: NORMAL,	EUTHANIZED	Group: 1 Terminal boo	Dose level: Control Terminal body weight (kms): 0.52	
	Finding, severity	ity <<	\$ \$ 0 L U	s e r v a t i o n s vv Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	OGNIZED	r 6 8 9 9 9 9 9 9 8			
Tissue	Necropsy memos			<< Recropsy Memos >>		8 9 9 9 9 9
No necropsy memos recorded on animal	recorded on animal	imal				
Tissue	Wistopathologic diagnoses /	c diagnoses / 	Special histo	v b s e r v a t logical comments	i o n s >>	

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LETTERMAN ARMY INSTITUTE OF R. DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M
RAT/		Study Start Date: 21-Jul-87
Animal: 8700349 Day of death: 93		Group: 1 Dose level: Control Terminal body weight (kms): 0.51
Tissue	Finding, severity	Gross Observations >> Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	
Tissue	Necropsy memos	< Recropsy Resos >>
No necropsy memos	No necropsy memos recorded on animal	
Tissue	Alistopathologic diagnoses /	'sthology Observations >> / Special histological comments
PITUITARY GLAND	DISTALIS AND IN	RMEDIA PRESENT RECUT DONE
TESTIS	DEGENERATION, SEMINIFEROUS	TUBULES, Slight, Multifocal.

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE O	JE RESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012M	Table	PRINTED: 13-Feb-90 Page: 10
PRESIDIO OF SAN FI RAT/	RANCISCO,	, CA 94129	St	Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 87000353 Day of death: 99	00353	Sex: Male Status: NORMAL	, EUTHANIZED	Group: 1 Terminal	Dose level: Control Terminal body weight (kms): 0.53	ontrol 0.53
T same	Finding, sev	<< erity	S S O L D	Observations >>> Gross Frae-Text Comments	, v	
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	* * * * * * * * * * * * * * * * * * *	9		
Tissue	Necropsy memos	/ memos	× × × × × × × × × × × × × × × × × × ×	AA SOEUE ASOOO	^	
No necropsy memos recorded on animal	recorded	recorded on animal	-	=		
Tissue	Histopat	<pre>/ setopathologic diagnoses /</pre>	atholog Special histo	athology Observations /Special histological comments	athology Observations >> / Special histological comments	
	TUFLANNA		Slight, Focal.			

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M
RAT/	MARCISCO, CA 74129	Study Start Date: 21-Jul-87
Animal: 8700354 Day of death: 99	Sex: Male Status: NORMA	Group: 1 Terminal body weight (kms): 0.54
Tissue	Finding, severity	Gross Observations >> Gross Free-Text Comments
UNOLE BODY	NO LESTONS RECOGNIZED	
Tissue	Necrobsy memos	<
No necropsy memos	No necropsy memos recorded on snims!	
Tissue	<pre>Nistopathologic diagnoses /</pre>	Pathology Observations >> / Special histological comments
ns		Slight, Hultifocal.
PROSTATÉ	INFLAMMATION, LYMPHOCYTIC, S	Slight, Focal.

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individual Animal Data Dump Table Study Number: 87012M	Data Dump T er: 87012M	able		9.8 1.8 1.8	PRINTEB: 13-Feb-90 Page: 12	06-q•
RAT/	FRANCISCO, CA 94129		Study Start Date: 21-Jul-87	te: 21-Jul-8	2			TERAT	TERATOLOGY/
Animal: 87000356 Day of death: 99	Sta	a Le	Group: 1	-	Dose level: C. Terminal body weight (kms):	Dose dy weight			
Tissue	Finding, severity	¥	Gross Obser	Observations >>>	S >> Comments				
WHOLE BODY	NO LESTONS RECOGNIZED	ED				• • • • • •			
Tissue			× × × × × × × × × × × × × × × × × × ×	** 0 % 0 %	^				
No necropsy memos	No necropsy memos recorded on snims!		-						
Tissue	Mistopathologic diag	<< P agnoses /	Afstopathologic diagnoses / Special histological comments	er < a t i	A A & C O				
TESTIS	DEGENERATION, SENIN	I FEROUS TO	DEGENERATION, SEMINIFEROUS TUBULES, Slight, Multifocal.	.1					
EPIDIDYMUS	INFLAMMATION, LYMPHOCYTIC, Slight, Focal. IMFLAMMATION, GRANULOMATOUS, Mild, Multifocal.	DCYTIC, SI LOMATOUS,	light, Focal. Mild, Multifocal.						
PROSTATE	MINERALIZATION, Mild, Multifocal.	d, Multife	ocal.						

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAW FRANCISCO, CA 94129			dividua St	ual Animal Data Dump Study Number: 87012M	Individual Animal Data Dump Table Study Number: 87012M	-	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 13
RAT/				Study	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000358 Day of death: 93	Animel: 87000358 Sex: Wale		, EUTHANIZED		Group: 1	Terat		ontrol 0.46	4 1 1 0 0 0 0 1
Tissue	Finding, severity		400	O	. 4	Observations >>> Gross Free-Text Comments		•	•
WHOLE BODY	NO LESIONS RECOGNIZED					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 2 2 0 0 0 0 0 0 5 7 0 3 3 5 6 7 7 7 8 8 8 8 8 8 9 9 9 9 6 6 8 8 8 8 8 8 8 8	t	
Tissue	Necrobsy memos		2	Necropsy.	U X	X	< Recrobsy Inegos >>		
No necropsy memos	No necropsy memos recorded on animal			÷				• • • • •	

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Mistopathologic diagnoses / Special histological comments
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Tissue

DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Indiv	Individual Animal Data Dump Table Study Number: 87012M	PRINIED: 13-Feb-90 Page: 14
PRESIDIO OF SAN FI RAT/	RANCISCO, CA 94129	St	21-Jul-87	TERATOLOGY/
Animal: 8700364 Day of death: 99	Status: NORMAL	, EUTHANIZED		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<pre><</pre> <pre><</pre> <pre></pre>		S	ervations VV Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED			
Tissue	Necrobsy memos	× × × × × × × × × × × × × × × × × × ×	AA 80EUX > 80CO	~
No necropsy memos	recorded on animal	-	ř	
Tissue	Histopathologic diagnoses /	Special histo	/ Special histological comments / Special histological comments / Slight, Focal.	

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M
RAT/	171 CJ (171 CJ	Study Start Date: 21-Jul-87 TERATOLOGY/
Animal: 8700368 Day of death: 93	SCATTE CONTRACTOR OF SCATTE CO	Group: 1 Terminal body Weight (kms): 0.54
Tissue		Gross Free-Text Comments
WHOLE BODY	I ZED	
Tissue	Necropsy memos	< Necloby Y well and see see
No necropsy memos	No necropsy memos recorded on animal	
Tissue TESTIS	Mistopathologic diagnoses / Inflammation, LYMPHOCYTIC, DEGENERATION, SEMINIFEROUS 1	/ special histological comments TUNICA ALBUGINEA, Stight, Focal.

INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	F RESEARCH GP		Individual Animal Data Dump Table Study Number: 87012M		PRINTED: 13-Feb-90 Page: 16
RAT/	KANCI SCO.	LA 94129		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000371 Sex: M	00371	Sex: Male Status: NORMAL	ale ORMAL	EUTHANIZED	Dose level: Control Terminal body weight (kms): 0.57	
	Finding,	<pre>finding, severity </pre>	¥	8 8 0 L 9	•	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESTONS	NO LESIONS RECOGNIZED	9	0 6 6 9 9 9 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1		5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Necropsy memos	Remos		< Recropsy Resos >>	•	
No necropsy memos recorded on animal	recorded o	on anima(• • • • •	· · · · · · · · · · · · · · · · · · ·		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mistopath	Kistopathologic diagnoses'	^	athology Observations / Specia, histological comments	** * C	
TESTIS	Required	Required protocol tissue is missing.	seue is	8 3 50 50 50 50 50 50 50 50 50 50 50 50 50	· 3 · 5 · 5 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
PROSTATE	INFLAMMAT INFLAMMAT	INFLAMMATION, LYMPHOCYTIC, INFLAMMATION, PURULENT, SI	SCYTIC, SENT, SLIS	Slight, Multifocal. ight, Focal.		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	ISTITUTE OF PATH SERV (RESEARCH GP CA 94129		Ind	Individual Animal Data Dump Table Study Number: 87012M	lata Dump Table :: 87012M	PRINTED: 13-Feb-90 Page: 17
NA!/					Study Start Date: 21-Jul-87	1: 21-Jul-87	TERATOLOGY/
Animal: 87000373 Sex: Male Day of death: 106 Status: NORMAL, EUTHANIZED	900373	Sex:	Sex: Male tus: NORHAL,	Sex: Male Status: NORMAL, EUTHANIZED		Group: 1 Terminal	Dose level: Control Terminal body Weight (kms): 0.49
Tissue	Finding, severity	leverity	¥	40 880 70 50	9	Observations >>> Gross Free-Text Comments	ObserverText Comments
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED	0:				
Tissue	Necropsy memos	memos		> 8 Q O L U U W X	* > * d o L	**	
No necropsy memos recorded on animal	recorded c	on animal			=		
Tissue	Mistopathd Required p	Aistopathologic diagnoses / Special	<< P Inoses / ssue is	Special his missing.	g y 0 bse tological commen	Aistopathologic diagnoses / Special histological comments Required protocol tissue is missing.	thology Observations >> pecial histological comments issing.

INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	NSTITUTE OF PATH SERV 6	RESEARCH	Individual Animal Data Dump Table Study Number: 87012M	RINTED: Page:	PRINTED: 13-Feb-90 Page: 18
PRESIDIO OF SAN	FRANCISCO, (CA 94129	Study		TERATOLOGY/
Animal: 87000377 Day of death: 106	'000377	Animal: 87000377 Sex: Male f death: 106 Status: NORMAI	Group: 1 AL, EUTHANIZED		
1 8 8 U 6	Finding, severity	† † † † †	8 Q O		
WHOLE BODY	NO LESIONS RECOGN	NO LESIONS RECOGNIZED			
Tissue		\$0E9#	<< x65707 X6308 >>		
No necropsy memos recorded on animal	s recorded on ani	on animal	÷		
Tissue	Histopath	Mistopathologic diagnoses	<pre>Afstopathologic diagnoses / Special histological comments DEGENERATION, SEMINIFEROUS TUBULES, Slight, Multifocal.</pre>		

INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

EPIDIOYĤUS PROSTATE

NECROSIS, Slight, Focal.

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Hale NORWAL	LEFTERMAN ARMY INSTITUTE OF RESEARCH Individual Animal Data Dump Table PRINTED: 13-Feb-90 OR SES SUPP, PATH SERV GP PATH S	S-Feb-90
death: 99 Status: NORMAL death: 99 Status: NORMAL Finding, severity NO LESIONS RECOGNIZED Necropsy memos recorded on animal A P	Study Start Date: 21-Jul-87	TERATOLOGY/
Finding, severity MO LESIONS RECOGNIZED Mecropsy memos ropsy memos recorded on animal	C, EUTHANIZED	
Mecropsy memos Opsy memos recorded on animal	severity << G ross free-Text Comments	•
Necropsy memos ropsy memos recorded on animal	DNS RECOGNIZED	
opsy memos recorded on animal		
>>	design of the second se	
Alacopartic diagnoses / Special	Mistopathologic diagnoses / Special histological comments	

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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 13-Feb-90 Page: 20
RAT/	KANCISCU, CA 94129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000392 Day of death: 99	Status: NORHAL	Group: 1	Dose level: Control body weight (kms): 0.52
)	Finding, severity	8 Q O 8 8 0 L J) to
WHOLE BODY	NO LESIONS RECOGNIZED		0 6 7 2 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Necrobsy memos	<< 80 E D X A S C C L D D X >>	
No necropsy memos	No necropsy sessos recorded on animal	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Tissue PITUITARY GLAND	A Histopathologic diagnoses /	athology Observations / Special histological comments DONE	***
TESTIS .	DEGENERATION, SEMINIFEROUS	TUBULES, Slight, Multifocal.	
EPIDIDYMUS	INFLAMMATION, LYMPHOCYTIC,	Slight, Focal.	
ROSTATE	INFLAMMATION, LYMPHOCYTIC,	Slight, Focal.	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 94129	STITUTE OF PATH SERV G RANCISCO. C	RESEARCH IP	1	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M
RAT/				
Animal: 67000394 Sex: Male Day of death: 106 Status: NORMA	96500	Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZEU Status: NORMAL, EUTHANIZEU
Tissue	Finding, severity	everity	*	. 4
~	NO LESIONS RECOGNIZED	RECOGNIZE		
Tissue	Necropsy memos			
No necropsy memos recorded on animal	recorded o	in animat	•	
Tissue PITUITARY GLAND	Mistopathologic diagnoses	logic diag	<pre>c b c gnoses / ssue is</pre>	Astopathologic diagnoses / Special histological comments Required protocol tissue is missing.

LETTERMAN ARMY IN DIV OF RES SUPP, I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 13-Feb-90 Page: 22
RAT/	RANCISCO, CA 74127		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000395 Day of death: 106	00395	Sex: Male Status: NORMAL,	Group: 1 Terminal	Control 0.52
Tissue	Finding, severity	¥	Gross Observations YY Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	•		
Tissue	Necropsy memos			
No necropsy memos	E C			9 8 6 F 8 9 8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue PITUITARY GLAND	Mistopathologic diagnoses Required protocol tissue i		Pathology Observations >> Special histological comments is missing.	

INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

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LETTERNAN ARNY II DIV OF RES SUPP. PRESIDIO OF SAN I	LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129		Ē,	dividu S	Individual Animal Data Dump Table Study Number: 87012M	a Dump Table 87012M			PRINTED	PRINTED: 13-Feb-90 Page: 23
KAT/	KAT/			Study	Study Start Date: 21-Jul-87	21-Jul-87				TERATOLOGY/
Animal: 87D00405 Day of death: 106	104.05	Sex: Male tus: NORMAL,	Status: MORMAL, EUTHANIZED	•	Group: 1	Terminal	Dose level: Terminal body weight (kms):	Dose level: Control	Control 0.53	
Tissue	Finding, severity		4 C & & C C C & & C C C C C C C C C C C			Observations >> Gross Free-Text Comments				
WHOLE BODY	NO LESIONS RECOGNIZED					• • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • • •
Tissue	Necropsy memos		× Keclops ×	٠ و	× ×	X & & & X				
No necropsy memos	No necropsy memos recorded on animal			<u>.</u>						
Tienue PROSTATE	Wistopathologic diagnoses / Special histological comments INFLANMATION, LYMPHOCYTIC, Slight, Multifocal.	<pre><< P ** ** ** ** ** ** ** ** ** ** ** ** **</pre>	Special his Slight, Mult	g y stolog	Observices Comments	Pathology Observations >> s/Special histological comments C, Slight, Multifocal.	•	• • • •		0 0 0 0 0 0 0

LETTERHAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERY GP	STITUTE OF PATH SERV (RESEARCH		Indi	Individual Animal Data Dump Table Study Number: 87012M	p Table :	PRINTED: 13-Feb-90 Page: 24
PRESIDIO OF SAN FI RAT/	RANCISCO, (CA 94129			Study Start Date: 21-Jul-87		
Animal: 87000407 Sex: Male Day of death: 99 Status: NORMAL,	00407	Sex: Status:	Sex: Hale Status: NORMAL,		Group: 1 Te	Group: 1 Terminal body weight (kms): 0.53	Control 0.53
Tissue Finding, severity	Finding, severity	severity	¥		Observations >>> Gross Free-Text Comments	ons >> :xt Comments	
WHOLE BODY	NO LESION	NO LESIONS RECOGNIZED	092	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		4 4 4 5 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
Tissue	Necropsy memos	,			Xecropsy Regos >>	*	
No necropsy memos recorded on anims!	recorded	recorded on animal	•		* 0	-	
Tissue	Mistopath	<pre><< p style="background-color: blue;" / Wistopathologic diagnoses" /</pre>	/ sasouse		athology Observations Special histological comments	AA	
TESTIS	DEGENERAT	DEGENERATION, SEMINIFEROUS	•	TUBULES, Slight, Focal.	iht, Focal.	UBULES, Slight, Focal.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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RAT/			v	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000408 Sex: P	00408	Is Le	AL, EUTHANIZED		•
Tasue	Finding, severity	•	\$ \$ 0 L D >>	\$ Q O	8
WHOLE BODY	NO LESIONS RECOGNIZED		6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Tissue	Mecropsy memos		× × × × × × × × × × × × × × × × × × ×		
No necropsy memos recorded on animal	recorded on 1				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue Testis	Nistopathologic diagnoses	Nistopathologic diagnoses	P a t h o l o g y 0 b r / Special histological c	Pathology Observations >> / Special histological comments	

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PRESIDIO OF SAN F RAT/	RANCISCO, CA 94129	•	Study Start Date: 21-Jul-87	
Animal: 6700801	: 8		Group: 1 Terminal body we	Dose level: Control
Tissue	Finding, severity			
WHOLE BODY	NO LESIONS RECOGNIZED	6 0 7 0 9 0 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Necropsy memos	U # X >>	X	
No necropsy memos	No necropsy memos recorded on animal	v 4 8 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	00000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mistopathologic diag		athology Observations >> Special histological comments	
All protocol requi	All protocol required tissues normal.	•	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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Tissue Mecropsy memos	PRINTED: 13-Feb-90 Page: 27 TERATOLOGY/ Dose level: Control ' Weight (kms): 0.56	Appendix O (Cont.): PATHOLO Individual Animal Data Dump Table Study Number: 87012M Study Start Date: 21-Jul-87 Group: 1 Term Gross Free-Text Comm	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAI Animal: B7D00809 Sex: Hal Day of death: 142 Status: NOR Tissue Finding, severity WHOLE BODY NO LESIONS RECOGNIZED
			No necropsy memos recorded on animal
		.	
Finding, severity NO LESIONS RECOGNIZED	Dose level: Control ' weight (kms): 0.56	Group: 1 Term	00809
Status: NORMAL, EUTHANIZED Status: NORMAL, EUTHANIZED ** G r o s s o b s ** finding, severity ** ** ** ** ** ** ** ** ** ** ** ** **	TERATOLOGY/		KA!/
Study Start Date: 21-Jul-87 Status: Make Group: 1 Terminal body Weight (kms): 0.56 **A G G G S S O D S G C M C C C C C C C C C C C C C C C C C	PRINTED: 13-Feb-90 Page: 27	Individual Animal Data Dump Table Study Number: 87012M	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP . PRESIDIO OF SAW FRANCISCO, CA 94129
Individual Animal Data Dump Table Study Number: 87012M Study Start Date: 21-Jul-87 Study Start Date: 21-Jul-87 Study Start Date: 21-Jul-87 Croup: 1 Terminal body Weight (kms): 0.56 < G r o s s O b s e r v a t i o n s >> Gross Free-Text Comments			

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Aistopathologic diagnoses / Special histological comments INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

Tíssue EPIDIDYMUS

PROSTATE

INFLAMMATION, LYMPNOCYTIC, Slight, Hultifocal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RESEARC PATH SERV GP	*	Individual Ar Study	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 13-Feb-90 Page: 28
PRESIDIO OF SAN FI	IANCISCO, CA 94129	•	Study Stai	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000813 Day of death: 134	00813	Sex: Male Status: MORMAL,	EUTHANIZED	Group: 1 Terminal body weight (kms): 0.59	:
- Issue	Tissue Finding, severity	¥	д O % % O L U >>	Observations >>> Gross Free-Text Comments	
UNOLE BODY	NO LESIONS RECOGNIZED				
Tissue	Necropsy memos		× × × × × × × × × × × × × × × × × × ×	X 80EUX	
No necropsy memos	No necropsy memos recorded on animal	,	-		
Tissue	<pre></pre>	<pre><< p dfagnoses'/</pre>	st hology of Special histological	athology Observations >>/ Special histological comments	
:	DEGELERATION, SEMINIFEROUS	MINIFEROUS	TUBULES, Slight, Focal.	ן.	
PROSTATE	INFLAMMATION, LYMPHOCYTIC,	HPHOCYTIC,	Slight, Multifocal.		•

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LETTERMAN ARNY I DIV OF RES SUPP, PRESIDIO OF SAN	LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Vibul	Individual Animal Data Dump Table Study Number: 87012M	ap Table		PRINTED: 13-Feb-90 Page: 29
KA1/	RAT/		Study Start Date: 21-Jul-67	11-87		TERATOLOGY
Animal: 87000821 Day of death: 141	10821	IL, EUTHANIZED	L, EUTHANIZED Group: 1 Terminal body weight (kms): 0.58	Terminal boo	Dose level: Control Terminal body weight (kms): 0.58	•
Tissue	Finding, severity	8 80 L U	O b s e r v a t i o n s v v Gross Free-Text Comments	ons >>	2 2 0 0 0 1 0 0 1	O b s e r v a t i o n s vv Gross Free-Text Comments
WHOLE BODY	_				8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Tissue	Necropsy memos		V	^		
No necropsy memos	No necropsy memos recorded on animal		• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RIDIY OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M
PRESIDIO OF SAN F RAT/	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/	
Animal: 87000829 Day of death: 142	00829 Status: NORMA	• • •
Tissue	. *	s e r v a t i o n s >> Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	
Tissue	Remos	< NOEST YROOFS >>
No necropsy memos	No necropsy memos recorded on animal	-
	<pre>Alstopathologic diagnoses /</pre>	A pathologic diagnoses / Special histological comments:
FPTOTOVAUS	EFLAREATION: LYMPHOCYTIC, Slight, Multifocal,	. Slight. Multifocal.

	•	Ϋ́Þ	pendix 0	Appendix O (Cont.):	PATHOLOGY		
LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129		Indi	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M	PR IN PERE	PRINTED: 13-Feb-90 Page: 31
RAT/			Ġ	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000831 Day of death: 135	00831		Sex: Male Status: NORMAL, EUTHANIZED	•	Terminal bo	Dose level: Control Terminal body weight (kms): 0.59	0 0 0 0 0
Tissue WHOLE BODY	Finding, severity NO LESIONS RECOGNIZED		40 8 8 0 0 9	0 b a c c c c c c c c c c c c c c c c c c	Gross Free-Text Comments		
Tissue	Tissue Necropsy memos No necropsy memos recorded on animal	:	>	e X X X X X X X X X X X X X X X X X X X	X	Yearon Y	
Tissue	Mistopathologic diagnoses / Special histological histological histological histological histological histological histological histological historogical historog	A P B	tholog Special histo	y 0 b s e r	/ Special histological comments	secial histological comments	8 8 4 9 9 9

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LETTERNAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 13-Feb-90 Page: 32
PRESIDIO OF SAN F RAT/	RANCISCO, CA 94129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000837 Day of death: 143	: 8	Sex: Male Group: 1 Terminal body weight (kms): 0.57	
Tissue	Finding, severity << G F 0 s s	<pre><< G f o s s O b s e r v a t i o n s >></pre>	* * * * * * * * * * * * * * * * * * *
WHOLE BODY	NO LESIONS RECOGNIZED		
Tissue	, "		
No necropsy memos	No necropsy memos recorded on animal		8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mistopathologic diagnoses	Pathology Observations >> Special histological comments: / Special histological comments: , Mild, Multifocal.	

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	lvibu!	Individual Animal Data Dump Table Study Number: 87012M		PRINTED: 13-Feb-90 Page: 33
RAT/			Study Start Date: 21-Jul-87	-87	TERATOLOGY/
Animal: 87500841 Day of death: 135	Animal: 87500841 Sex: Wale		Group: 1	Dose level: Control Terminal body weight (kms): 0.61	ontrol 0.61
Tissue	Finding, severity		O b s e r v a t i o n s >> Gross Free-Text Comments	n s >> Comments	8
WHOLE BODY	NO LESIONS RECOGNIZED	• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecropsy Benos	* * * * * * * * * * * * * * * * * * *	D S Y Red O S	*	
No necropsy memos	No necropsy memos recorded on animal		0 3 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mistopathologic diagnoses		a	ξ 8 υ ο	
)	INFLAMMATION, LYMPHOCYTIC,	Slight, Fo		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• • • • • • • • • • • • • • • • • • •
PROSTATÉ	THE ANNATION I VNDWO	" LESCATION - PRODUCTION - PROGRAMMENT - PRO	. <u>-</u>		

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LETTERNAN ARMY IN DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 13-Feb-90 Page: 34
PRESIDIO OF SAN F RAT/	RANCISCO, CA 94129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000847 Day of death: 147	Animal: 87000847 Sex: Male	Group: 1 EUTHANIZED Group: 1 Terminal body	Dose level: Control ight (kms): 0.57
Tissue	<pre><</pre> <pre>/</pre> <pre></pre>	* Q C	
WHOLE BODY	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecropsy memos		
No necropsy memos	No necropsy memos recorded on animal	60000000000000000000000000000000000000	
Tissue	Tissue Mistopathologic diagnoses /	Pathology Observations >> s/Special histological comments	

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LETTERMAN ARNY IN: DIV OF RES SUPP, I PRESIDIO OF SAN FI	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	_	Indi	Individual Animal Data Dump Table Study Number: 87012H	a Dump Table 87012M		2 d	PRINTED: 13-Feb-90 Page: 35
RAT/		:	S	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000857 Day of death: 147		Sex: Male	Sex: Male Status: WORMAL, EUTHANIZED	Group: 1 Dose level: Control AL, EUTHANIZED Group: 1 Terminal body weight (kms): 0.59	Termine	Dose body weight	Dose level: Control Terminal body weight (kms): 0.59	
Tissue	Finding, severity	¥)		Observations >>> Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0	• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		• • • • • • • • • • • • • • • • • • •	•	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue			> * C O L U & X >>	o bs v	X 6 3 0 8 8 8			
No necropsy memos	No necropsy memos recorded on animal	• • • •	, , , , , , , , , , , , , , , , , , ,		2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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PRESIDIO OF SAN F RAT/	PRESIDIO OF SAW FRANCISCO, CA 94129 RAT/		
Animal: 87000861 Day of death: 147	00861	Sex: Male tus: NORMAL,	Group: 1 Terminal
Tissce	Finding, severity		s e r < a t i o n s vv Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	<u>.</u>	
Tissue	Necropsy memos		<< ** ** ** ** ** ** ** ** ** ** ** ** *
No necropsy memos	No necropsy memos recorded on animal	• • • • •	
	Alstopathologic diagnoses		sathology Observations >> / Special histological comments
EPIDIDYNUS	INFLAMMATION, LYMPHOCYTIC		slight, Focal.

INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM FRANCISCO, CA 04.120	PATH SERV GI	RESEARCH P A 94129		Albu!	Individual Animal Data Dump Table Study Number: 87012M	Table	•	PRINTED: Page:	PRINTED: 13-Feb-90 Page: 37
RAT/				Şt	Study Start Date: 21-Jul-87	-87		•	TERATOLOGY/
Animal: 87000871 Sex: Male Day of death: 142 Status: NORMAL, EUTHANIZED	00871	Sex: Male Status: NORMA	Ble Ormal,		Group: 1	rminal body we	Dose level: Control ight (kms): 0.63	ntrol 0.63	
Tissue	Finding, severity	everity	*	* C C C *	Observations >> Gross Free-Text Comments	O bs ervations >> Gross Free-Text Comments	v 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 5 5 6 6	3 6 6 8 8 8 8 8
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED		6 0 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	* * * * * * * * * * * * * * * * * * *		6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		6 6 1 1 1
Tissue	Recropsy memos	Mecropsy memos		**	opsy Xenos >>	*			
No necropsy memos recorded on animal	recorded on	n enimel		• • • • • • • • • • • • • • • • • • •					•
Tissue	Histopatho	clogic diagn	, ses	tholog Special histo	** A sthologic diagnoses / Special histological comments	, suo j			
PITUITARY GLAND	CYST(S), SI /ONLY PARTE	CYST(S), Slight, Multifoca /ONLY PARTES DISTALIS AND		TERNEDIA PRES	BI. INTERNEDIA PRESENT RECUT DONE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1
PROSTATE	INFLAMMATIC	INFLANNATION, LYNPHOCYTIC,		Slight, Focal.					

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Animal: 87000875 Sex: Male Group: 1 Terminal body weight (kms): 0.66 Day of death: 143	LETTERNAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PAIN SERV GP PREFINE OF SAN PRANCISCO, CA 02130	STITUTE OF 1	RESEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012M	X11 X Q	NTED: 13- Page: 38	PRINTED: 13-feb-90 Page: 38
0875 Status: NoRMA Status: NoRMA	RAT/	702612408	(3) M	St	udy Start Date: 21-Jul-87		Ĭ	RATOLOGY/
Tissue Finding, severity Cross Closs Free-Text Comments	Animal: 87D(Day of death: 143	00875	Sex: Male Status: NORMA	L, EUTHANIZED	Group: 1 Termin	Dose level: Contrad body weight (kms): 0.	701 66	•
		Finding, se	EVELÍTY .	* * O L U	Observations Gross Free-Text Commer	ý.		

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Tissue Mistopathologic diagnoses / Special histological comments
All pretocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PAIN SERV GP BEFEITING OF SAN FRANCESCO CA 02430	STITUTE OF PATH SERV G	RESEARCH P		ibui	Individual Animal Data Dump Table Study Number: 87012M	a Dump Table 87012H	PRINTED: 13-feb-90 Page: 39
RAT/	3 (0) 10 10 10 10 10 10 10 10 10 10 10 10 10	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Study Start Date: 21-Jul-87	21-Jul-87	TERATOLOGY/
Animal: 87000877 Sex: Male	87500877 Sex: Male 143 Status: NORMA	Sex:	Sex: Male Itus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 1	Dose body weight (ntrol 0.71
	Finding, severity	everity	¥	\$ \$ 0 L D \$;		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZI	6	• • • • • • • • • • • • • • • • • • •		9 2 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Necropsy memos			* Recrops Y	о р ж ү ж	X e 3 o s >>	
No necropsy memos recorded on animal	recorded on animal	n animat		• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Tissue	Histopatho	logic dias	Ac P (ntholog Special hist	Aistopathologic diagnoses / Special histological comments	^	
PITUITARY GLAND	CYST(S), Mild, Focal.	ild, Focal	.:				
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LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M	3-Feb-90 0
PRESIDIO OF SAN F RAT/	RANCISCO, CA 94129		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000879 Day of death: 140	00879	Sex: Male	Group: 1 Terminal body weight (kms): 0.62	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Tissue	fissue Finding, severity	•	• •	
WHOLE BOOT	NO LESIONS RECOGNIZED	! ! !		• • • •
Tissue				
No necropsy memos	No necropsy memos recorded on animal	•	7	
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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDED OF SAN PRANCECT OF 02120	PATH SERV (RESEARCH GP CA 94120		Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M
RAT/		431 44 154		Study Start Date: 21-Jul-87
Animal: 87000915 Sex: Male Day of death: 148 Status: NORMAL, EUTHANIZED	00915	Sex: Status:	Sex: Male tus: NORMAL,	Group: 1 Dose level: Control L. EUTHANIZED Group: 1 Terminal body weight (kms): 0.64
Tissue	Finding, severity	severity	¥	9 Q
LIVER	CONGESTED, Trace	, Trace	, , , ,	SUOLLEN LIVER W PALE STREAKS
Tissue	Mecropsy memos			<< Recropsy Resos >>
No necropsy memos recorded on animal	recorded on animal	on animel	• • • • •	
Tissue	Hi stopatho	*** ** ** ** ** ** ** ** ** ** ** ** **	onoses /	P a t h d
PROSTATE	INFLAMMATI	TRELANKATION LYKPHOCYTI	CYTIC. R	EFFLARMATION, LYMPHOCYTIC, Mild. Multifocal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV C	RESEARCH		ž ,	I vid	Individual Animal Data Dump Table Study Number: 87012M	Dump Table 7012M		PRINTED: Page:	PRINTED: 13-Feb-90 Page: 42
PRESIDIO OF SAN F	RANCISCO, (CA 94129		,	Stud	Study Start Date: 21-Jul-87	1-Jul-87	Study Start Date: 21-Jul-87	·	TERATOLOGY/
Animal: 87000921 Sex: Male Day of death: 148 Status: NORMAL	00921	Sex: Male Status: NORMAL		, EUTHANIZED		Group: 1	Terminal	Group: 1 Terminal body weight (kms): 0.64	: Control	
Tissue	Finding, severity	severity		* ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	,	s	G F V a t i o n s >> Gross Free-Text Comments			
LIVER	CONGESTED, Trace	CONGESTED, Trace	•	8 2 3 4 5 5 7 6 5 6 7 6 6 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8			SWOLLEN LIVER W PALE STREAKS	SUOLIER LIVER W PALE STREAKS	1 1 0 4 1 1 1	
Tissue	Mecropsy memos			Y # G O F O # X	0		X	<< ** ** ** ** ** ** ** ** ** ** ** ** *		
No necropsy memos recorded on animal	recorded c				:					

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Mistopathologic diagnoses / Special histological comments
INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP PRESIDIO OF SAM FRANCISCO. CA 94129	STITUTE OF PATH SERV RANCISCO.	F RESEARCH GP CA 94129	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M
RAT/			•
Animal: 87000935 Day of death: 140	92600		, EUTHANIZED
Tissue	Finding,		Gross Free-Text Comments
UNOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	
Tissue	Necropsy memos		** Xecrobs Y
No necropsy memos recorded on animal	recorded	• • • • •	
Tissue	Histopath		athology Observations >> / Special histological comments
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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DESCRIPTION OF SAM REALITECTORY OF 02120	INSTITUTE OF P, PATH SERV	RESEARCH GP CA 04429	Indiv	Individual Animal Data Dump Table Study Number: 87012M Pag	PRINTED: 13-Feb-90 Page: 44
RAT/		7 7 1 EV	St	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 8700937 Sex: Male Day of death: 148 Status: NORMAL	37000937 148	Sex: Male Status: NORMAL	•	Group: 1 Dose level: Control Terminal body weight (kms): 0.68	#
Tissue	Finding, severity	severity	* * 0 1 5	1 49	
KIDNEY	CONGESTION, Trace	CONGESTION, Trace	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RT.KID SWOLLEN W PALE STREAKS	•
LIVER	CONGESTED, Trace	, Trace		SUOLLEN LIVER W. PALE STREAKS	
Tissue Mecropsy memos	Mecropsy memos	Mecropsy memos recorded on animal	>	>> Recrops >>	1 0 0 0 0 0 0 0 0

Mistopathologic diagnoses / Special histological comments
Miscellaneous.
VACUOLATIOM, EPITHELIUM OF TUBULES, Slight, Multifocal.

Tissue

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	ISTITUTE OF PATH SERV	RESEARCH	1	Individual Animal Data Dump Table PRINTED: 13-Feb-90 Study Number: 87012M
PRESIDIO OF SAN F RAT/	FRANCISCO,	CA 94129		Study Start Date: 21-Jul-87 TERATOLOGY/
Animal: 87000939 Sex: Male Day of death: 148 Status: NORMAI	000939	Sex: Male Status: NORMAL		Group: 1 Terminal body w
Tissue Finding, severity	Finding,	Finding, severity	¥	<pre><< Gross free-Text Comments</pre>
LIVER	CONGESTED, Trace	CONGESTED, Trace	· • • • •	SWOLLEN LIVER W PALE STREAKS
Tissue	Necropsy memos			<< xeelobsy xeaos >>
No necropsy menos recorded on animal	recorded	recorded on animal		
Tissue	Kistopath	selogic diag	/ sesout	<pre><< Pathology 0bservations >> Wistopathologic diagnoses / Special histological comments</pre>
PROSTATE	IMFLAMMAT	INFLANKATION, LYRPHOCYTIC.		Slight, Multifocal.

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LETTERNAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SER	OF RESEARCH	Jpu!	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 13-Feb-90 Page: 46
RAT/	XANCI SCI			Study Start Date: 21-Jul-87	
Animal: 87000949 Day of death: 134	00949	Animal: 87000949 Sex: Male	, EUTHANIZED	Group: 1 Terminal	
Tissue	Finding	<pre>c G r o s s Tissue</pre>	# 0 L U	s q 0	
WHOLE BODY	NO LEST	NO LESIONS RECOGNIZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecrops	Necropsy memos			
No necropsy memos recorded on animal	records	recorded on animal	**************************************		
Tissue	Nistopa Inflam	Histopathologic diagnoses /	Special histologic	'athology Observations >> / Special histological comments Slight, Multifocal.	

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LETTERMAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP PRESIDIO OF SAW FRANCISCO, CA 94129 RAT/	ISTITUTE OI PATH SERV RANCISCO,	F RESEARCH GP CA 94129		,	Individual Animal Data Dump Table Study Number: 87012M Study Start Data: 21-1:1-87	ta Dump Ta 87012M 21-101-87	•19	PRINTED: 13-Feb-90 Page: 47
Animal: 67000951 Sex: Male Day of death: 140 Status: MoRMAI	00951	Sex: Male Status: NORM		Sex: Male Status: MORMAL, EUTHAMIZED	Group:		erminal bod	Dose level: Control Weight (kms): 0.55
Tissue WHOLE BODY	Finding, NO LESION	Finding, severity NO LESIONS RECOGNIZED			. •	Gross Free-Text Comments	ORMENT'S	ervations >>> Gross Free-Text Comments
Tissue Mecropsy memos	Mecropsy memos	Mecropsy memos recorded on animal		Y Recropsy	a X y & d o '	A		ecropsy Memos >>
Tissue	Mistopath IMFLANMAT	Astopathologic diagnoses INFLANMATION, LYMPHOCYTIC,	_ ` .	Special histological	athology Observations >> / Special histological comments Moderate, Multifocal.	>	^^ 8 E	athology Observations >> Special histological comments Moderate, Multifocal.

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LETTERNAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE PATH SER	OF RESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012M	ta Dump 87012M	Table		PRINTED: 13- Page: 48	PRINTED: 13-Feb-90 Page: 48
RAT/	200	, CA 74129			Study Start Date: 21-Jul-87	21-Jul-				TERATOLOGY/
Animal: 87000955 Day of death: 149	00955	Animal: 87000955 Sex: Male f death: 149 Status: NORM	Sex: Male tus: NORHAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 1 Te	•	rminal body	Dose level: Control Weight (kms): 0.66	Control 0.66	
Tissue Finding, severity << G r o s s	Finding	Finding, severity	¥	* * O L U >>	• •	a t i o	i e r v a t i o n s >> Gross Free-Text Comments	* b b c c c c c c c c c c c c c c c c c		0 0 0 0 0 0 0
WHOLE BODY	NO LEST	NO LESIONS RECOGNIZED		6 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				4 9 9 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
Tissue	Kecrops	Necros Besson		× × × × × × × × × × × × × × × × × × ×	× × × d o	X 80 E 0 X	*			
No necropsy memos recorded on animal	recorde	d on animal		-	_	: : : : :			* * * * * * * * * * * * * * * * * * *	
Tissue	Kistopa	Kistopathologic diagnoses	d vv B	atholog Special histo	Pathology Observations (7 Special histological comments	> # > # + + + + + + + + + + + + + + + +	\$ C 0			
TESTIS	INFLAMM	INFLARMATION, LYMPHOCYTI	OCYTIC	TUNICA ALBUGIN	IMPLAKMATION, LYMPHOCYTIC, TUNICA ALBUGINEA, SLight, Bockly	-	C. TUNICA ALBUGINEA. STIGHT. FOCAL.			

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PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/	RANCISCO, C.	A 94129		,	Study Start Date: 21-Jul-87	.87			TERATOLOGY/
Animal: 87000969 Day of death: 149	al: 87000969 sex: th: 149 Status:	Status:		EUTHANIZED	Group: 1	Terminal body we	Dose level: Control ight (kms): 0.61	Control 0.61	•
Yissue Wiole Body	Finding, severity NO LESIONS RECOGNIZED	everity RECOGNIZE	*		Gross free-Text Comments				
Tissue Recropsy memos No necropsy memos recorded on animal	Recropsy memos recorded on animal	•	• • • • •	>>	Cropsy Memos >>	^			
Tissue	Mistopathologic diagnoses	logic diag		atholog Special histo	athology Observations >>/ Special histological coments	**			
PITUITARY GLAND	/ONLY PARTES DISTALIS AND	ES DISTAL	: -	INTERMEDIA PRES	INTERMEDIA PRESENT RECUT DONE			• • • • • • • • • • • • • • • • • • • •	
TESTIS '	DEGENERATION, SENINIFEROUS	JH, SENINI		TUBULES, Slight, Focal.	t, Focal.				
EP ID IDYMUS	INFLANNATION, LYNPHOCYTIC,	W, LYMPHO		Slight, Multifocal.	ocal.				

LETTERMAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	ISTITUTE OF PATH SERV	F RESEARCH GP		individual Animal Data Dump Table Study Number: 87012M	PRINTED: 13-Feb-90 Page: 50	Feb-90
PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/	FRANCISCO,	CA 94129		Study Start Date: 21-Jul-87	TERA	TERATOLOGY/
Animal: 87000971 Sex: Male Day of death: 149 Status: NORMA	00971	Status	Sex: Male tus: NORMAL,	Sex: Male Group: 1 Terminal body weight (kms): 0.61	ontrol 0.61	
Tissue	Finding,	Finding, severity	¥	<pre>finding, severity </pre>	• • • • • • • • • • • • • • • • • • •	
WHOLE BODY	NO LESIONS R	NO LESIONS RECOGNIZED				
Tissue	Necropsy memos					
No necropsy memos recorded on animal	recorded	on animal	* * * * * * * * *	recorded on animal		
	Histopath	iologic dia	<< p	Astopathologic diagnoses / Special histological comments		
	TEL AMMAT	**************************************	LACYTIC		• • • • • • • • • • • • • • • • • • • •	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF REPAIR SERV GP	ESEARCH		Individual Animal Data Dump Table Study Number: 87012H	Data Dump Table r: 87012M	PRINTED: 13-Feb-90 Page: 51
RAT/	XXXCISCO, CA	A# 15A		•	e: 21-Jul-87	TERATOLOGY/
Animal: 87000977 Sex: Male	00977	Sex: Status:			Group: 1 Terminal body weight (kms): 0.64	Control 0.64
Tissue Finding, severity	Finding, severity	verity		C G T O & & O D & C T O	Observations >>> Gross Free-Text Comments	
UNOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE		u a d d d d		
Tissue	Necropsy memos	. 80		X Yecrobsy X	× × × × × × × × × × × × × × × × × × ×	
No necropsy memos recorded on animal	recorded on animal	animal		72 6 6 5 6 6 5 6 5 6 5 6 5 6 6 6 6 6 6 6		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tesue	// Mistopethologic diagnoses	ogic diag		Pathology Observations >> F/Special histological comments	Pathology Observations >> //Special histological comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PROSTATE	INFLANNATION	H, LYMPHO	u	INFLANMATION, LYMPHOCYTIC, Mild, Multifocal.		

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PRESIDIO OF SAM FRANCISCO, CA 74:CY RAT/Sprague-Dawley	.XARC1SCO,	CA 74129		Ϋ́	Study Start Date: 21-Jul-87	1-87			TERATOLOGY/	.0GY/
Animal: 87000313 Sex: Male	00313	Status	Sex: Male tus: NORMAL,		Group: 2	Dose level: Terminal body weight (kms):	Dose level: Jeight (kms):	evel: Kas>:	1.3 PPT/day 0.47	i (
Tissue	Finding,	Finding, severity	• •	\$ \$ 0 L G >>	φ.	•				
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	١	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				t 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Tissue	Mecropsy memos			× × × × × × × × × × × × × × × × × × ×	O D S Y TARBOS >>	^				:
No necropsy memos recorded on animal	recorded	recorded on animal	•							
Tissue Mistopathologic dia	Mistopath	** Mistopathologic diagnose: red tissues normal.		Special histo	Pathology Observations >> s/Special histological comments	ن ه د ه ن				

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RAT/Sprague-Dawley	,				Study Start Date: 21-Jul-87	late: 2	11-Jul-87			TERATOLOGY/
Animal: 8700314 Day of death: 93	00314	0314 Sex: Male Status: NORMAL, EUTHANIZED	Sex: Male itus: NORMAL,	Sex: Male Status: MORMAL, EUTHANIZED	0 0 0 0 0 1 0 0	Group: 2	Group: 2 Termina	Dose level: Terminal body weight (kms):	vel:	1.3 PPT/day 0.57
Tissue	Finding,	Finding, severity	¥	8 0 L G	o	r v a	0 b s e r v a t i o n s >> Gross Free-Text Comments	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	93		: : : : : : : : : : : : : : : : : : :					
Tissue	Necropsy memos	Necropsy memos	1		×	E E	X 6 3 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0			
No necropsy memos recorded on animal	recorded	on animal			, , , , , , , , , , , , , , , , , , ,		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	:		
Tissue	Wistopati	hologic diag	oc b a	special hi	Aistopathologic diagnoses / Special histological comments	ments		Aistopathologic diagnoses / Special histological comments		
								444444444444444		

All protocol required tissues normal.

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RAT/Sprague-Dawley	^		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000317 Day of death: 93			Group: 2 Dose level: 1.3 PPT/day, EUTHANIZED 0.52	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.52
Tissue	Finding, severity		Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED				
Tissue	Tissue Mecropsy memos No necropsy memos recorded on animal		<< Necrobsy Tebos >>		

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Tissue Mistopathologic diagnoses / Special highological comments
All protocol required tissues normal.

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LETTERMAN ARNY IN DIV OF RES SUPP,	LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 94120		Individ	Individual Animal Data Dump Table Study Number: 87012M	n Dump Table 37012M		PRINTED: 16-Apr-90 Page: 55
RAT/Sprague-Dawley	RAT/Sprague-Dawley		Stu	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000320 Day of death: 93	Animal: 87000320 Sex: P		Sex: Male Status: NORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose level: Weight (kms):	1.3 PPT/day 0.48
Tissue	Finding, severity	•	8 9 0 L	Observa Gross Fre	Observations >> Gross Free-Text Comments	• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	Q;	9 6 6 8 8 9 9 9 9 9 8 6 6 8 8 8 8 8 8 8	:			
Tissue	Mecropsy memos		×	*	AA 00 0 E 0 X		
No necropsy memos	No necropsy memos recorded on animal						
Tissue	<pre>*</pre>	<< P a	thology Special histolo	Observ gical comments	/ at i o n s >>		
PROSTATE	INFLAMMATION, LYMPHOCYTIC		Slight, Focal.	* * * * * * * * * * * * * * * * * * *	iht, Focal.		3 4 4 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

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ETTERMAN ARMY INSTITUTE OF RESEARCH	STITUTE O PATH SERV	F RESEARCH GP		Indi	Individual Animal Data Dump Table Study Number: 87012M	np Table		-	PRINTED: 16-Apr-90 Page: 56
AESIDIO OF SAN FRA (AT/Sprague-Dawley	KANCISCU, Y	CA 94 129		S	Study Start Date: 21-Jul-87	11-87			TERATOLOGY/
Animal: 87000323 bay of death: 93	00323	D00323 Sex: Male Status: NORMA	Sex: Male itus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose Weight	Dose level: ight (kms):	1.3 PPT/day 0.48
• • • •	Finding,	Finding, severity	¥	<pre>inding, severity</pre>	S e T < a t Gross Free-	ions >> Text Comments			
HOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	: : : :	• • • • •	
lissue	Necropsy memos	Remos		Z >>		^	1		
lo necropsy memos recorded on animal	recorded on	on animal							
	Histopat	hologic dia	/ sas oub	ntholog Special hist	Aistopathologic diagnoses / Special histological comments	** * E O : 1			
ROSTATE	INFLAMMA	IMFLARMATION, PURULENT, Sticht, Focel,	ENT. SLIG	iht, Focal.	ght. Focal.				

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM FRANCISCO, CA 94129 RAT/Sprague-Dawley	INSTITUTE OF RES , PATH SERV GP FRANCISCO, CA 9 ley		Appendix O (Cont.): PATHOLOGY Individual Animal Data Dump Table Study Number: 87012M		PRINTED: 16-Apr-90 Page: 57
Animal: 87000326 Day of death: 93	00326	Sex: Male Status: KORMAL, EUTHANIZED	C. EUTHANIZED Group: 2 Terminal body we	Dose level:	TERATOLOGY/ 1.3 PPT/day 0.54
Tissue WHOLE BODY	Finding, severity NO LESIONS RECOGNIZED	¥	Gross Free-Text Comments		
Tissue Mecropsy memos	Mecropsy memos		<< Reclopsy Regos >>		
Tissue Histopathologic dia	Mistopathologic diagnoses	<pre>control control c</pre>	Pathology Observations >> / Special histological comments		

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LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PAIN SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprsgue-Dawley Animal: 87500329 Sex: Male Day of death: 99 Status: NORMAL,	E OF RESEARCH		<u></u>	Individual Animal Data Dump Table	•		
Animal: 87b00329 Day of death: 99	ERV GP CO, CA 94129			Study Number: 87012M	sta Dump Table : 87012M		PRINTED: 16-Apr-90 Page: 58
Animal: 87500329 Day of death: 99				Study Start Date: 21-Jul-87	1: 21-Jul-87		TERATOLOGY/
Tibais	Status: NORMAL,	Sex: Male tus: NORMAL,	EUTHANIZED		Group: 2 Dose level: Terminal body weight (kms):	Dose level: weight (kms):	1.3 PPT/day 0.46
	Finding, severity	*	8 0 L	•	Observations >> Gross Free-Text Comments	e e e e e e e e e e e e e e e e e e e	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	NO LESIONS RECOGNIZED				0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Be208	Ť	U # # # # # # # # # # # # # # # # # # #	X Yedorowy X	人人 		
No necropsy wemos recorded on animal	fed on animal					1	6 8 8 8 6 5 3 <i>6</i> 6 8 8 8 5 3 8 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue Ristor	osthologic diag	<< P a	t h o l o Special his	gy 0 bselstological commen	Aistopathologic diagnoses / Special histological comments		
All protocol required tissues normal.	ssues normal.				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDED OF SAN ERANCESCO. CA 02420	PATH SERV	F RESEARCH		≖	hdivi	Individual Animal Data Dump Table Study Number: 87012M	ata Dump : 87012M	Table			_	PRINTED: Page:	PRINTED: 16-Apr-90 Page: 59
AAT/Spreague-Dezley	EY	CA 74 ICY			Stu	Study Start Date: 21-Jul-87	: 21-Jul-	87					TERATOLOGY/
Animal: 87000331 Sex: Male Day of death: 106 Status: NORM)))	Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED		Group: 2	2	Termina	Dose level: Terminal body weight (kms):	Dose level: sight (kms):	evel: kms):	1.3 PPT/day 0.47	.3 PPT/day 47
Tissue	Finding,	Finding, severity	¥	8		Observations >> Gross Free-Text Comments	Gross Free-Text Comments	n s >> Commenta	! ! ! !				: : : :
WHOLE BODY	NO LESTONS	NO LESIONS RECOGNIZED	a	• • • • • • • • • • • • • • • • • • •		•	• • • • • • • • • • • • • • • • • • •						
Tissue	Mecropsy memos	T T T T T T T T T T T T T T T T T T T		* N e c r o p s v	0 L		** ** O E & T	*					
	recorded on an	on animal	; ; ; ; ; ;	· · · · · · · · · · · · · · · · · · ·		0 0 0 0 0 0 0 0 1 1 1 1 1							
Tissue	Histopath	hologic diag	<pre>/</pre>	atholc Specialhi	stole	Aistopathologic diagnoses / Special histological comments	r < a t i	s C O	^				
)	INFLAMMAT	INFLAMMATION, LYMPHOCYTI	CYTIC, \$	C, Slight, Multifocal.	tifoc	col.	: : : :	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					

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Animal: 87000332	Animal: 87000332 Sex: Male	Sex: Male tus: NORMAL,	•	Group: 2 Terminal bo	Dose (evel: Terminal body weight (kms):	1.3 PPT/day 0.57
Tissue	Tissue Finding, severity	¥	% 8 0 L G	Observations >> Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
WHOLE BODY	NO LESIONS RECOGNIZED	!		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Tissue	Tissue Mecropsy memos No necropsy memos recorded on animal		> 0 L U # X	AA		
Tissue	=	Ac P a	tholog Special histo	Mistopathologic diagnoses / Special histological comments red tissues normal.		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DESCRIPTION OF SAM PRANTISCO CA 02430	ISTITUTE OF REPAYED OF SPANTISCO CA	SEARCH		<u></u>	ndividuel Ar Study	ual Animal Data Dump Study Number: 87012M	Individual Animal Data Dump Table Study Number: 87012M			PRINTED: 16-Apr-90 Page: 61
RAT/Sprague-Dawley	,	73167			Study Start Date: 21-Jul-87	t Date:	21-Jul-87			TERATOLOGY/
Animal: 8700342 Day of death: 99	0342	Sex: Male Status: NORMA	Sex: Male tus: MORMAL,	AL, EUTHANIZED	0 2 9 0 6 0 0	Group: 2		body we	Dose level: y weight (kms):	1.3 PPT/day 0.47
Tissue	Finding, severity	erity	ı y	8 9 0 L G 9	• • • •	bservat Gross Free	Observations >>>	• • • • •	# # # # # # # # # # # # # # # # # # #	6 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGNIZI		9 5 6 6 6 6 6 6 8 8 8 9 9 9 9 6 9 6 9 9	6 1 3 6 6 6	; ; ; ;	4 P 5 P 4 4 P 5 P 4 B B B B B B B B B B B B B B B B B B			
Tissue	Mecropsy memos			*	X		X 6308 >>			
No necropsy memos recorded on animal	recorded on	•				; ; ; ;	* 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	0 4 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	<pre>/* Mistopathologic diagnoses</pre>	gic dieg	<pre></pre>	special h	g y 0	bser comments	Pathology Observations >> Special histological comments	^		
PROSTATE	INFLAMMATION, LYMPHOCYTIC	LYMPH		;, Slight, Multifocal.	tifocal.			• • • • • • • • • • • • • • • • • • •		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	STITUTE OF I PATH SERV GI RANCISCO, C/ Y	RESEARCH P A 94129	•	Individual Animal Data Dump Table Study Number: 87012M Study Start Date: 21-Jul-87	PRINTED: 16-Apr-90 Page: 62 Teratology/
Animal: 87000346 Sex: Male Day of death: 99 Status: NORMAL	00346	Sex: Male Status: NORMAL			1.3 PPT/day 0.47
Tissue	Finding, severity	everity		Gross Tree-Text Comments	3 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
WHOLE BODY	NO LESIONS	NO LESIONS RECOGNIZED			***
Tissue	Necropsy memos	S O E		<< 80E9E >8 CLUDR >>	
No necropsy memos recorded on animal	recorded or	n animal			* * * * * * * * * * * * * * * * * * *
Tissue PROSTATE	Histopathol INFLAMMATIC	Histopathologic diagnoses / Special	slight,	Aistopathologic diagnoses / Special histological comments INFLANMATION, ACUTE, Slight, Focal.	

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RAT/Sprague-Dawley	, A			S	Study Start Date: 21-Jul-87	1-Jul-87		TERA	TERATOLOGY/
Animal: 87000348 Day of death: 99	00348	Sex: Mal	Ble ORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 2 Term	Terminal bod	Dose level: Terminal body weight (kms):	inal body weight (kms): 0.47	, a
Tissue	Finding, severity	severity	¥	* * O L G >>	Observations >>> Gross Free-Text Comment	Tissue Finding, severity << G r o s s O b s e r v a t i o n s >> Gross Free-Text Comments	. d d d d d d d d d d d d d d d d d d d	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			6 8 8 9 1 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	· · · · · · · · · · · · · · · · · · ·	
Tissue	Mecropsy memos	Henos		Z >>	Mecropsy memos	X 6 3 0 8 X			

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

No necropsy memos recorded on animal

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RAT/Sprague-Dawley	KANCISCO, CA 94129		TERATOLOGY/
Animal: 87000359 Day of death: 93	7D00359 Sex: Male 3 Status: NORMAL, EUTHANIZED	Group: 2 Terminal body weight (kms):	1.3 PPT/day 0.49
Tissue	<pre>c G r o s s lissue Finding, severity</pre>	O b s e r v a t i o n s >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Necropsy memos	<	
No necropsy memos	No necropsy memos recorded on springs!		
Tissue	Kistopathologic diagnoses	Pathology Observations >> / Special histological comments	
All protocol requ	red tissues normal.		

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RAT/Sprague-Dawley	FKARCISCO, ey	KY 153		SĒ	Study Start Date: 21-Jul-87	u1-87		TERATOLOGY/
Animal: 87000366 Sex: Male Day of death: 92 Status: MORMA	000366	Status: MORNI	Male Normal,	Sex: Male Status: MORMAL, EUTHANIZED	Group: 2 L, EUTHANIZED	Dose level: 1.3 Terminal body weight (kms): 0.59	Dose level:	1.3 PPT/day 0.59
Tissue	Finding,	Finding, severity	¥	8	Observations >>> Gross Free-Text Comments	c Gross Observations >> Gross Free-Text Comments	0 0 0 0 0 1 1 4	4 9 4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
WOLE BODY		NO LESIONS RECOGNIZED		1			* * * * * * * * * * * * * * * * * * *	1
Tissue Mecropsy memos	Mecropsy memos	Mecropsy memos recorded on anims!		× × × × × × × × × × × × × × × × × × ×		<< Mecropsy Remos >>		

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	MSTITUTE O PATH SERV	F RESEARCH GP	Individual Animal Data Dump Table Study Number: 87012M	Dump Table 7012M	PRINTED: 16-Apr-90 Page: 66
RAT/Sprague-Dawley	FKANCISCO, ey	CA 94129	Study Start Date: 21-Jul-67		
Animal: 87000374 Day of death: 106	000374 6			Dose level: Terminal body weight (kms):	1.3 PPT/day 0.55
Tissue	Finding,	•	Gross Observations >>> Gross Free-Text Comment	Observations >> Gross Free-Text Comments	
WHOLE BODY		NO LESIONS RECOGNIZED	7		4 0 0 6 5 0 0 6 5 0 0 0 0 0 0 0 0 0 0 0 0
Tissue			** Xecropsy Xes	x e s o s >>	
No necropsy memos recorded on animal	s recorded	on animal	***************************************	recorded on animal	000000000000000000000000000000000000000
Tissue		<pre>/ / Mistopathologic diagnoses /</pre>	A pathology Observations >> noses / Special histological comments	ations >>	
A. 5504505 5655 6655 6656 5056 5056 5056 5					

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DESCRIPTO OF SAN EPANCYSCO CA 02430	STITUTE OF PATH SERV	RESEARCH GP		Indi	Individual Animal Data Dump Table Study Number: 87012M	m Dump Table 37012M		-	PRINTED: 16-Apr-90 Page: 67
RAT/Sprague-Dawley	P.Y	CA 74 167		Š	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000375 Sex: Male	00375	Status: NORH	Hele Normal,	Sex: Male Status: WORMAL, EUTHANIZED	Animal: 87000375 Sex: Male Group: 2 Group: 2 Dose level: Day of death: 99 Status: MORMAL, EUTHANIZED	Terminal	Terminal body weight (kms):	Dose level:	1.3 PPT/day 0.50
Tissue	Finding, severity	Finding, severity		* 6 7 0 8 8	Observa Gross Fre	Observations >> Gross Free-Text Comments			Observations >> Gross Free-Text Comments
WHOLE SODY	NO LESTON	NO LESIONS RECOGNIZED	:	6 9 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			1 1 2 3 4 4 4		
Tissue Necropsy memos	Necropsy memos	Necropsy memos recorded on animal		× × × × × × × × × × × × × × × × × × ×		T	1 1 1 1 1 1		< Recropsy Memos >>

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAW FRANCISCO. CA 04120	STITUTE OF PATH SERV	F RESEARCH GP CA 04120		Ĭ.	ndividual Stu	ual Animal Data Dump Study Number: 87012M	Individual Animal Data Dump Table Study Number: 87012M			PRINTED: 16-Apr-90 Page: 68
RAT/Sprague-Dawley	,	Y: Y2 (2001)			Study S	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
870	00376	76 Status: NORMA	Sex: Male tus: NORHAL,	Status: NORMAL, EUTHANIZED		Group: 2	! !	Dose level: Terminal body weight (kms):	Dose level:	1.3 PPT/day 0.56
Tissue	Finding,	Finding, severity		8 8 0 L G		bservat Gross Free	Observations >>> Gross Free-Text Comments			
Tissue	NO LESIONS RECOMENS	NO LESIONS RECOGNIZED Meclodsy memos	0.	ĕ **	x e c r o p s y		X 6 3 0 8 V			
No necropsy memos recorded on animal	recorded on anim	on animal			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				† • • •	
Tissue PROSTATE	Histopeth Inflammat	<pre>/< P a t h o l Mistopathologic diagnoses / Special inflammation, Purulent, Mild, Focal.</pre>	<pre><< P a gnoses / int, mild</pre>	thold Special hi Focal.	g y stologica	Obser 1 comments	Mistopathologic diagnoses / Special histological comments INFLAMMATION, PURULENT, Mild, Focal.	^		

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RAT/Sprague-Dawley	ey			•	Study Start Date: 21-Jul-87	-Jul-87		TERATOLOGY/
Animal: 87000378 Sex: Male Day of death: 99 Strus: NORM	D00378	Sex	Sex: Male	Sex: Male Starus: NORMAL, EUTHANIZED	Group: 2	Terminal body	Dose level: Terminal body weight (kms):	Animat: 87000378 Sex: Male Group: 2 Dose level: 1.3 PPT/day Day of death: 99 Strus: NORMAL, EUTHANIZED Terminal body weight (kms): 0.49
Tissue	Finding, severity	severity	¥	8 8 0 1 9 >>	Observations >> Gross Free-Text Comments	iervations >> Gross Free-Text Comments		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	_	MO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	1	!		<< Necropsy		E 6 3 0 8 >>		

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Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

Mecropsy memos

No necropsy memos recorded on animal

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DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	Individual / Study	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 16-Apr-90 Page: 70
KAI/Sprague-Dawley	/ sprague-bak! ey		Study Start Date: 21-Jul-87	TEBATOLOGY
Animal: 87000380 Day of death: 99	Sta	, EUTHANIZED	Group: 2 Dose level: Terminal body weight (kms):	1.3 PPT/day
Tissue	Finding, severity	8 8 0 L 9	0 bs ervations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	0		
Tissue	Tissue Necropsy memos No necropsy memos recorded on animal	× × • c r o p s v	X	
Tissue	Mistopathologic diagnoses Inflammation, LYMPHOCYTIC,	athol Special	athology Observations >> / Special histological comments Slight, Multifocal.	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDED OF SAM FRANCESCY OF 02120	PATH SERV C	RESEARCH GP		Ē	dividual Stuc	Individual Animal Data Dump Table Study Number: 87012M	ta Dump 87012M	Table			PRINTEC	PRINTED: 16-Apr-90 Page: 71
RAT/Sprague-Dawley	ty	74 I Z Y			Study S1	Study Start Date: 21-Jul-87	21-Jul-	87				TERATOLOGY/
Animal: 87000381 Sex: Male Day of death: 92 Status: NORMAL, E	00381	Sex: Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED		Group: 2		Terminal	body w	Dose level: eight (kms):	1.3	1.3 PPT/day 0.48
Tissue	1	Finding, severity	*	Finding, severity < Gross 0 Severity Se	0	Observations y	ree-Text	Gross Free-Text Comments		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Tissue	Necropsy memos	Mecropsy memos	0 0 0 1	2 2 2 4	X C O C O S X	X X	A	^	C		1	
No necropsy memos recorded on animal	recorded o	on animal										6 6 9 9 9 9 1 1 6
Tissue		Kistopathologic diagnoses	<< P 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Aistopathologic diagnoses / Special histological comments	g y stologica	Obser Comment	> % • • • • • • • • • • • • • • • • • • •	s -	A	0 0 2 0 0 0	0 0 0 0 0	athology Observations >> / Special histological comments
All protocol required tissues normal.	ifred tissue	s normal.										

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RAT/Sprague-Dawley	, ,			St	Study Start Date: 21-Jul-87	87		TERATOLOGY/	•
Animal: 87000390 Sex: Male Day of death: 99 Status: NORM	00390	Status	Sex: Male tus: NORMAL,	Sex: Mele Status: NORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body Weight (kms):	level: (kms):	1.3 PPT/day 0.49	
Tissue	Finding, severity	severity	¥	8 8 0 L D >>	Observations >> Cross Free-Text Comments	n s >> Comments		1	
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	Q;	a 5 0 a 6 a 6 a 6 a 6 a 8 a 8 a 8 a 8 a 8	9 4 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	•		9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Tissue	Necropsy memos	Mecropsy memos		>>		*			
No necropsy memos recorded on animal	recorded	on animal		• • • • • • • • • • • • • • • • • • •	0 2 2 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	2		**************************************	_
Tissue	Histopath	Kistopathologic diagnoses	^ P a	Pathology / Special histolo	Pathology Observations s/Special histological comments	AA			

All protocol required tissues normal.

LETTERMAN ARMY INST DIV OF RES SUPP, PA PRESIDIO OF SAN FRA RAT/Sprague-Dawley	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Spregue-Dawley	Appendix O (Cont.): PATHOLOGY Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 16-Apr-90 Page: 73
Animal: 87000396 Day of death: 99	00396	Group: 2	Dose level: 1.3 PPT/day
Tissue	Finding, severity NO LESIONS RECOGNIZED	Observations >>> Gross Free-Text Comments	
Tissue	Tissue Necropsy memos Necropsy memos No necropsy memos recorded on animal	<< Recropsy Memos >>	
Tissue	Tissue Histopathologic diagnoses All protocol required tissues normal.	Histopathologic diagnoses / Special histological comments red tissues normal.	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DESCRIPTO OF SAN ERRANTECT OF 02430	PATH SERV	OF RESEARCH		-	ndivic	Individual Animal Data Dump Table Study Number: 87012M	a Dump Table 87012M		_	PRINTED: 16-Apr-90 Page: 74
RAT/Sprague-Dariey	יאל אלארני פרטי	VA 74 129			Stuc	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000397 Day of death: 99	76200	397 Sex: Male Status: NORMAL		, EUTHANIZED	٥	Group: 2	Terair	body we	Dose level:	1.3 PPT/day 0.54
Tissue	Finding, se	Finding, severity		8 8 0 1 9	Ø	Observa Gross Fr	Observations >> Gross Free-Text Comments	>> >> >+	6 7 8 8 8	3 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	• • •	0 0 1 1 1 1 1 1 1		9 5 0 9 9 9 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue	Mecropsy memos	Renos		× × × × × × × × × × × × × × × × × × ×	0 L 0					
No necropsy memos recorded on animal	recorded	on animal				d		9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Tissue	Histopat	Mistopathologic diagnoses	<pre><< P a Inoses /</pre>	special h	o g y istolo	athology Observations >> / Special histological comments	<pre>< pt tions</pre>	^		
PROSTATE	INFLAMMA	INFLAMMATION, LYMPHOCYTIC,		Slight, Focal.	ce (.	8 8 8 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•	ight, Focal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP DESCRIPTION OF SAN PRANCISCO, FA 02120	PATH SERV G	RESEARCH P		Indi	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M		PRINTED: 16-Apr-90 Page: 75
RAT/Sprague-Dawley	× × × × × × × × × × × × × × × × × × ×	7 1 1 2 7		o,	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000406 Sex: Male	90700	Sex: Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 2	0 0 0 0 0 0	body we	
1	Finding, severity	everity	Ÿ	8 8 0 L 5 >>	. 0	Observations >> Gross Free-Text Comments	*>	
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE	:			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	, a e s a a a a a a a a a a a a a a a a a	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Necropsy memos	6 E O S		0 W	X occops x X	X 0 E 0 X		
No necropsy memos recorded on animal	recorded or	n animal						
Tissue	Kistopathologic diagnose	logic diag	<< P a	otholog Special hist	Aistopathologic diagnoses / Special histological comments	vations s	^	
PROSTATE	INFLAMMATION, PURULENT,	ON, PURULE		Mild, Focal.	6 8 7 9 7 6 6 6 6 9 9 9 9 9 9 9 9 9	* * * * * * * * * * * * * * * * * * *		CD(

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	PATH SER	OF RESEARCH V GP . CA 94129		Individual Anima Study Num	Individual Animal Data Dump Table Study Number: 87012M	_	PRINTED: 16-Apr-90 Page: 76
RAT/Sprague-Dawley	<u>}.</u>			Study Start [Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000411 Sex: Male	00411	Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Animal: 87000411 Sex: Male Group: 2 Jerminal body weight (kms): 0.41	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.41
Tissue	Finding	Finding, severity	¥		Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESI	NO LESIONS RECOGNIZED		9 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			
Tissue	Necrops	36308		× × × × × × × × × × × × × × × × × × ×	T		
No necropsy memos recorded on animal	recorded	•	• • • • • •			- 0 2 0 0 1 1 1 1 1 2 1 3 3 4 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	NSTITUTE OF R PATH SERV GP FRANCISCO, CA	RESEARCH		Ind	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M		-	PRINTED: 16-Apr-90 Page: 77
RAT/Sprague-Dawley	ey				Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000807 Day of death: 137	000807 7	Sex: Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 2	Group: 2 Terminal	body w	Dose level: Fight (Kas):	1.3 PPT/day 0.53
Tissue	Finding, severity	iverity	*	8 O L U	Observ Gross	Observations >> Gross Free-Text Comments	3 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	• • • • • • •	5 6 6 6 6 6 7 7 8 7 8 8 8 9 8 8 9 8 9 8 8 9 8 8 9 8 8 8 8
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZE	:	2		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 8 8 8 8 8 8 8		6
Tissue	Necropsy memos	3908			# X 0 C C U U U W	AA \$0 E U Y			
No necropsy memos recorded on animal	s recorded on	anima!							
Tissue	Mistopathologic diagnoses	ogic diag	<< P a	Special his	Aistopathologic diagnoses / Special histological comments	<pre></pre>	*		
All protocol required tissues normal.	uired tissues	normal.				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0 0 0 1 1 0 1 0 1 0 0 1 0 1 0 1	, , , , ,	

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PRESIDIO OF SAN FR/ RAT/Sprague-Dawley	RANCISCO, Y	. CA 94129			Stu	Study Start Date: 21-Jul-87	:: 21-Jul-	.87				TERATOLOGY/
Animal: 87000827 Sex: Mal	00827	Status: NOR	Male Normal,	Sex: Male Status: NORMAL, EUTHANIZED	۵	Group: 2 Terminal	~	Terminal	y ypoq	Dose level: sight (kms):		1.3 PPT/day 0.73
Tissue Finding, severity	Finding,	Finding, severity	¥	8 O L U	Ø	69	Free-Text	Gross Free-Text Comments				
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	:	* 0 0 1 2 2 3 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0)			
Tissue	Necropsy memos	Tenos		v z v	٥ د ن	X > % Q O L U & X	X 80 E 0 X	^				
No necropsy memos recorded on animal	recorded	f on animal										
Tissue 	Histopat INFLAMMA	Histopathologic diagnoses / Special histological comments INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.	<pre><< P a inoses / icytic, icytic, icytic</pre>	Special h	istol	Pathology Observations >> ies / Special histological comments IC, Mild, Multifocal.	T < a t i	o .	^	• • • •	0 6 0 5 0 5 0 5	

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RAT/Sprague-Dawley	wley	CA 78169			Study	Study Start Date: 21-Jul-67	21-Jul-87			TERATOLOGY/
Animal: 87000843 Sex: Male Day of death: 143 Status: NORM	87000843 143	Sex: Status:	Sex: Male tus: MORMAL,	Sex: Male Status: WORMAL, EUTHANIZED		Group: 2	:	el body	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.62
Tissue	Finding, severity	severity	¥	# # O L 9 >>		•	Observations >> Gross Free-Text Comments	Ý Ā		
WHOLE BODY		NO LESIONS RECOGNIZED	50	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• • • •	- 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue		20 E		× × × × × × × × × × × × × × × × × × ×	0 D	X × ×	五 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1		
No necropsy memos recorded on animal	mos recorded	recorded on animal								
Tissue		ologic diag	<pre> / \$9\$out doeses /</pre>	Special hi	ogy istolog	Obser ical comment	Aistopathologic diagnoses / Special histological comments	*		
All protocol required tissues normal.	equired tissu	reconstructions controlly		, , , , , ,	• • • •	3 6 6 7 7 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	:	• • • • • • • • • • • • • • • • • • •	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Spregue-Dawley			TERATOLOGY/
Animal: 87000853 Day of death: 142	Sex: Male Status: NORMAL	, EUTHANIZED	Group: 2 Terminal body w	1.3 PPT/day 0.63
Tissue	*	• •		
WHOLE BODY	NO LESIONS RECOGNIZED			
		<< mecropsy		
Tissue				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal			
Tissue PROSTATE	Mistopathologic diagnoses INFLAMMATION, LYMPHOCYTIC,	sth/Speci	/ Special histological comments // Special histological comments // Mild, Multifocal.	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV	F RESEARCH GP		Ind	Individual Animal Data Dump Table Study Number: 87012M	ata Dump Tab! : 87012M	•		PRINTED: 16-Apr-90 Page: 81
	TRANCISCO,	CA 74 ICY			Study Start Date: 21-Jul-87	: 21-Jul-87			TERATOLOGY/
Animal: 87000863 Sex: Male	00863	7000863 Sex: Male	Male Mormal,	MAL, EUTHANIZED	Group: 2	# # # #	body we	Dose level:	1.3 PPT/day 0.72
Tissue	Finding,	Finding, severity	¥	8 8 0 L 9 >>	Observat	Observations >>>	ns >> t Comments		
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	60	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue		Necropsy memos		U = = = = = = = = = = = = = = = = = = =	E Y S C O L O S X	** ** ** ** ** ** ** ** ** ** ** ** **			人人 50 年 4
No necropsy memos recorded on animal	recorded	on animal							
Tissue Mistopathologic dia All protocol required tissues normal.	Wistopati	Aistopathologic diagnose red tissues normal.		special his	Mistopathologic diagnoses / Special histological comments red tissues normal.	7 < 4 t i 0 ii	A 8		

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LETTERMAN ARMY INSTITUTE OF RESEARCH Individual Animal Data Dump Table PRINTED: 16-Apr-90 by OF SEX SUP, PAIN SERV GP Study Number: 87012M PRESIDIO OF SWY GP PRESIDIO OF SWY Male STUDIOSY/ STUDIOSY/ STUDIOSY/ STUDIOSY/ STUDIOSY/ SWY GP PROBLEM CONTRACTOR OF GROUPS COMMENTS TISSUE FINDING SEVERITY COMMENTS WOOLESTONS RECOGNIZED COMMENTS WOOLESTONS RECOGNIZED COMMENTS WOOLESTONS RECOGNIZED COMMENTS WOOLESTONS FOR THE OFFICE OF SWY WE GO DEST ON SWY GO				dv	Sendix	>	Appendix o (cont.): FAIROLOGI	FATROLOGI			
Study Star Hale NORMAL, EUTHANIZED CG T O S S O D S ZED C N e C T O P S Y C P a t h o l o g y Hagnoses / Special histological	LETTERMAN ARMY III DIV OF RES SUPP,	HSTITUTE PATH SER	OF RESEARCH			Indiv	idual Animal Dai Study Number:	ta Dump Table 87012M			PRINTED: 16-Apr-90 Page: 82
NORMAL, EUTHANIZED <- Gross Obs C	PRESIDIO OF SAN I RAI/Sprague-Dawld	FRANCISCO BY), CA 94129			St	udy Start Date:	21-Jul-87			TERATOLOGY
CD C G C O S S O D S S C N C C C O D S Y C C C C O D S Y C C C O D S Y C C C C C C C C C C C C C C C C C C	Animal: 870 Day of death: 142	5 5 5	Status:	Male Normal,	EUTHANIZ	9	Group: 2	Terminal body	Dose Weight	level: (kms):	1.3 PPT/day 0.57
<pre>compose</pre>	Tissue	Finding	i, severity	*	9 0 L U	•	s Q	a t i o n s >>> ree-Text Comments			
<pre><< Necropsy Memos >> </pre> <pre><< Pathology Observations >> gnoses / Special histological comments</pre>	WHOLE BODY	NO LESI	ONS RECOGNIZE	٥	1 1 1 1 1			9 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
<pre><< Pathology 0 bservations >> gnoses / Special histological comments</pre>	Tissue		y memos		* * * * * * * * * * * * * * * * * * *	r U	opsy Ke	^^			
<pre><< Pathology 0bservations >> gnoses / Special histological comments</pre>	No necropsy memor	recorde	d on enime		•			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		•	
	Tissue	Mistopa 	thologic diag	<< P 1	Special	o g histo	y 0 b s e r logical comments	* < p + 1			

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO CA 02120	MSTITUTE OF PATH SERV	F RESEARCH GP CA 04120		Indi	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M		PRINTED: 16-Apr-90 Page: 83
RAT/Sprague-Dawley	e,			v	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000865 Sex: Male Day of death: 143 Status: NORM	900885 \$	Status			Group: 2	Dose level: Terminal body weight (kms):	Dose level: Weight (kms):	1.3 PPT/day 0.62
Tissue	Finding,	Finding, severity		8 8 0 L g	Obser <	Observations >> Gross Free-Text Comments	8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	•	********************			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Tissue	Necropsy memos	menos		X	Ne Cropsy X			
No necropsy memos recorded on animal	recorded	on animal				. 4 4 5 6 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue		*/ Wistopathologic diagnoses	<pre>/< b gnoses /</pre>	atholog Special hist	y Obser ological comments	Pathology Observations >> / Special histological comments		
All protocol required tissues normal.	ired tissu	red tissues normal.			4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	RSTITUTE OF PATH SERV	F RESEARCH GP	Indi	Individual Animal Data Dump Table Study Number: 87012M	able	PRINTED: 16-Apr-90 Page: 84
RESIDIO OF SAM FRA RAT/Sprague-Dawley	FKANCISCO, ey		v	Study Start Date: 21-Jul-87		
Animal: 87000891 Day of death: 140	0		, EUTHANIZED	Group: 2 Ter	Group: 2 Terminal body weight (kms):	1.3 PPT/day 0.54
Tissue	Finding,		16 16 16	•	s >> Omments	
WHOLE BODY		NO LESIONS RECOGNIZED	1			
Tissue Mecropsy memos	Mecropsy memos		E	A SOEST A SOCOLUSE	<< Recrobsy Regos >>	

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

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LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PAIN SERV GP PRESIDIO OF ARM FRANCISCO, CA 02120	LETTERNAM ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM FRANCISCO CA 02420		-	Individual Animal Data Dump Table Study Number: 87012M	lual Animal Data Dump Study Number: 87012M	Dump Table 012M			PRINTED: 16-Apr-90 Page: 85
RAT/Sprague-Dawley	14 va (025124 kg	•		Study Sta	Study Start Date: 21-Jul-87	-Jul-87			TERATOLOGY/
Animal: 87000899 Day of death: 143	00899	Sex: Male Status: NORMAL, EUTHANIZED	EUTHANIZE		Group: 2	:	Terminal body weight (kms):	Dose level: eight (kms):	1.3 PPT/dmy 0.61
Tissue Tissue	Finding, severity	*	6 6 6		bservati Gross Free-Te	Observations >> Gross Free-Text Comments			
Tissue	NO LESIONS RECUGNIZED	41750	*	< Kecropsy		Z 8 0 8 4			
No necropsy memos recorded on animal	recorded on animal		* * * * * * * * * * * * * * * * * * * *						
Tissue	<pre>/< /pre> Mistopathologic diagnoses</pre>	<< p	athol Specialh	ogy 0 istological	bserv comments	Pathology Observations / Special histological comments	*		
	INFLAMMATION, LYMPHOCYTIC, Stabt. Focal.	MPHOCYTIC.	Slight, Fo	Light, Focal					

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAN F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM FRANCISCO CA 04120	* -	Indiv	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M	PRINTED: 16-Apr-90 Page: 86
RAT/Sprague-Dawley	, Y		St	Study Start Date: 21-Jul-87	21-Jul-87	TERATOLOGY/
Animal: 87000901 Day of death: 148	00901	Sex: Male Status: NORMAL,	L, EUTHANIZED	Group: 2	:	1.3 PPT/day 0.65
Tissue	1 Mar	¥	8 8 0 6 9	0 b s e r v a t i Gross Free-Te	Observations >> Gross Free-Text Comments	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
LIVER	CONGESTED, Trace			PALE STREAKS	1	
Tissue	Necropsy memos		×		** ** ** ** ** ** ** ** ** ** ** ** **	
No necropsy memos	No necropsy memos recorded on animal		0 0 0 0 0 0 1 1 1 0 0	7	4 4 4 5 5 5 5 5 5 5 6 5 6 5 6 5 6 5 6 5	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	A servations (* * * * * * * * * * * * * * * * * * *	<pre> <</pre> <pre>iagnoses /</pre>	atholog Special histo	y Obser logical comments	<pre><a +="" 1<="" td=""><td></td></pre>	
PROSTATE	TRELANKATION - YEDROCYTIC				このでもなるとのでは、このでは、このでは、このでは、このでは、このでは、このでは、このでは、こ	* * * * * * * * * * * * * * * * * * * *

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	INSTITUTE OF P. PATH SERV N FRANCISCO.	F RESEARCH GP CA 94129		Individual Animal Data Dump Table PRINTED: 16-Apr-90 Study Number: 87012M	16-Apr-90 87
RAT/Sprague-Dawley	wley			1-Jul-87	TERATOLOGY/
Animal: 87000903 Sex: M Day of death: 148 Status: M	87000903 148	Sex: Status:	Sex: Male tus: NORMAL,	Sex: Male Dose level: 1.3 PPT/day Status: MORNAL, EUTHANIZED 0.59	//dey
Tissue	Finding, severity	severity	•	bservations >> Gross Free-Text Comments	
LIVER		, Trace	+ + - - - - -	PALE STREAKS	
Tissue			9 9 9 9 0	<< NOCOLORY MERCONS >>	
No necropsy memos recorded on animal	mos recorded				
Tissue		ologic diag	<< p	Aistopathologic diagnoses / Special histological comments	
		INFLAMMATION, LYMPHOCYTIC	OCYTIC, 1	INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.	

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA 941 Y	<u> </u>	Stı	Study Start Date: 21-Jul-87	21	1		TERATOLOGY/
Animal: 87000907 Day of death: 148	06007	Sex: Male stus: NORMAL	Sex: Male Status: NORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose level: Weight (kms):	evel: Kas):	1.3 PPT/day 0.63
• • • • • • • • • • • • • • • • • • •	Finding, severity		8 6 L U	Observations >>> Gross Free-Text Comments	S >> Comments			
LIVER	CONGESTED, Trace		- - - - - - - - - - - - - - - - - - -	PALE STREAKS				
Tissue	Necropsy memos		** X & C & C & C & C & C & C & C & C & C &	æ	^			
No necropsy memos recorded on animal	recorded on animal	, , , ,	• • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
Tissue	Mistopathologic diagnoses	<pre><< p; diagnoses</pre>	athology / Special histol	Pathology Observations //Special histological comments	** s = 0			
PROSTATE	INFLAMMATION, LYMPHOCYTIC	YMPHOCYTIC,	INFLANMATION, LYMPHOCYTIC, Mild, Multifocal.	11.				
. 5401	Miscellaneous. ACUTE CONGESTION, Mild, Diffuse. ALVEOLAR MISTIOCYTOSIS, Slight, Focal.	N, Mild, Di	iffuse. Light, Focal.					

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP PRESIDIO OF SAW FRANCISCO, CA 04120	MSTITUTE OF PATH SERV	F RESEARCH GP CA 04120		Ind	Individual Animal Data Dump Table Study Number: 87012M	Dump Table		PRINTED: 16-Apr-90 Page: 89
AAT/Sprague-Dawley	ey	Ch 74 IE.			Study Start Date: 21-Jul-87	11-Jul-87		TERATOLOGY/
Animel: 87000913 Sex: Day of death: 148 Status:	000913 8	Sex: Status:	Kale KORMA	Sex: Male Status: NORMAL, EUTHANIZED	Group: 2	Dose level: Terminal body weight (kms):	Dose level:	1.3 PPT/day 0.53
Tissue.	Finding,	Finding, severity	•	8 8 0 L G >>	Observa Gross Fre	O b s e r v a t í o n s >> Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
LIVER	CONGESTED, Trace	CONGESTED, Trace		• • • • • • • • • • • • • • • • • • •	:	PALE STREAKS		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Hecropsy memos			*		X 8 0 8 X		
No necropsy memos recorded on animal	recorded on anim	•	i ; ; ; ; ;))) ; ; ; ;	1	1		2 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Mistopath	Mistopathologic diagnoses	<< P >	stholog Special his	Pathology Observations >> s/Special histological comments			
ш	INFLANNAT	INFLANMATION, LYMPHOCYTI	CYTIC, I	INFLAMMATION, LYMPHOCYTIC, Mild, Focal.	* * * * * * * * * * * * * * * * * * *		: : : : : : : : : : : : : : : : : : :	

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LETTERMAN ARMY IN DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP DESCRIPTO OF SAM EPAMFIECO FA 02120		Indiv	Individual Animal Data Dump Table Study Number: 87012M	ata Dump Table : 87012M		PRINTED: 16-Apr-90 Page: 90
RAT/Sprague-Dawley	, variable, en 74127		21	Study Start Date: 21-Jul-87	: 21-Jul-87		TERATOLOGY/
Animal: 87000925 Day of death: 134	30925 Sta			Group: 2	Z Terminal bo	Terminal body weight (kms):	1.3 PPT/day 0.49
Tissue	Finding, severity	¥	S S O L 5	S	Observations >> Gross Free-Text Comments	0 5 5 7 6 8 8 8 8 9 9 9 9	0
UNOLE BODY	NO LESIONS RECOGNIZED		· • • • • • • • • • • • • • • • • • • •		4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Tissue	Mecropsy memos		× × × × × × × × × × × × × × × × × × ×		** ** ** ** ** ** ** ** ** ** ** ** **		
No necropsy memos	No necropsy memos recorded on animal)) }			
Tissue	Nistopathologic diagnoses	Δ.	atholog Special histo	y Obsel	Pathology Observations >> / Special histological comments		
PROSTATE	INFLANMATION, LYMPHOCYTIC,		Mild, Multifocal.	• • • • • • • • • • • • • • • • • • • •	Hild, Multifocal.	* 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAW FRANCISCO, CA 94129	NSTITUTE OF PATH SERV FRANCISCO.	RESEARCH GP CA 94129	vibul	Individual Animal Data Dump Table Study Number: 87012M	ita Dump Table 87012M			PRINTED: Page:	PRINTED: 16-Apr-90 Page: 91
RAT/Sprague-Dawley	ey		St	Study Start Date: 21-Jul-87	21-Jul-87				TERATOLOGY/
Animal: 87000927 Sex: Male Day of death: 148 Status: NORM	000927 8		IAL, EUTHANIZED	Group: 2	:	Dose level: Terminal body weight (kms):	Dose level:	1.3 PPT/day 0.55	7/day
Tissue	Finding, severity		* * O _ D >>	Observation Gross Free-Tex	Observations >> Gross Free-Text Comments	8 4 4 3 0 8 8 9 9 6 6 8 8 8	• • • •	* * * * * * * * * * * * * * * * * * *	8 8 8 9 9 4 9
LIVER	CONGESTED, Trace	, Trace		PALE STREAKS	REAKS	8 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	• • • • •		8 0 8 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Necropsy memos	8000	X S C C C D S X		X				
No necropsy memos recorded on animal	recorded	on animat			*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• • • • •	! ! ! !	
Tissue	Histopath	Aistopathologic diagnoses / Special histological comments	atholog Special histo	y Obser logical comment	vations s	^			
PROSTATE	INFLAMMAT	INFLANMATION, LYMPHOCYTIC, Hild, Hultifocal.	Mild, Multifoc	, , , , , , , , , , , , , , , , , , ,	6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 6 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		• • • • • • • • • • • • • • • • • • •	
LIVER .	Miscellaneous.	Miscellaneous. INFLAMMATION, ACUTE, Slight, Focal.	, Focal.						~

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LETTERMAN ARMY INSTITUTE OF R DIV OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH Individual Animal Data Dump Table DIV OF RES SUPP, PATH SERV GP Study Number: 87012M	PRINTED: 16-Apr-90 Page: 92
RAT/Sprague-Dawley	Study 6	TERATOLOGY/
Animal: 8700941 Day of death: -8	000941 Sex:	1.3 PPT/day 0.60
	A Gross Obser Gross	
LUNGS	CONGESTION, Moderate	
KIDNEY	HYDRONEPHROSIS, Moderate RIGHT KIDNEY, 50% INCREASE IN SIZE	
THYMUS	CONGESTED/RED, Mild	
		٠
TONGS	HISTOLOGICALLY, THE PALE FOCI WERE DETERMINED TO HAVE REPRE-SENTED LESS CONGESTED AREAS OF LUNG. THE CAUSE OF DEATH WAS NOT DETERMINED. AUTOLYSIS WAS MODERATE.	NGESTED AREAS OF LUNG. THE CAUSE OF
Tissue	<pre><< Pathology 0bservations >> Histopathologic diagnoses / Special histological comments</pre>	
KIDNEY	Miscellaneous. Hydrowephrosis, Unilateral, Moderate.	
רחאפ	Miscellaneous. ACUTE CONGESTION, Moderate, Diffuse. VASCULAR MINERALIZATION, Mild, Focal.	
THYMUS	Miscellereous. Acute erecoreaem mild meltifocel	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	RETITUTE OF PATH SERV	F RESEARCH GP CA 94129		E H	dividual Stu	ual Animal Data Dump Study Number: 87012M	individual Animal Data Dump Table Study Number: 87012M			PRINTED: 16-Apr-90 Page: 93
RAT/Sprague-Dawley	s.				Study S	Study Start Date: 21-Jui-87	21-Jui-87			TERATOLOGY/
Animal: 8700045 Day of death: 149	300945	945 Status: NORHAL		, EUTHANIZED		Group: 2	•	body we	Dose level:	1.3 PPT/day 0.58
Tissue	Finding,	Finding, severity	¥			bservatio	Observations >> Gross Free-Text Comments	>> >> ents	• • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO CESTON	NO LESIONS RECOGNIZED	ED	· · · · · · · · · · · · · · · · · · ·	P - P - P - P - P - P - P - P - P - P -		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		* * * * * * * * * * * * * * * * * * *	9 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue		Mecropsy memos		<< Necropsy	Y 8 G O L		AA 40 55 90 32			
No necropsy memos recorded on animal	recorded	on animal					f f i i i i	# # # # # # # # # # # # # # # # # # #	! ! ! !	
Tissue		Kistopathologic diagnoses	<pre><< P a full line full</pre>	special his	g y stologica	Obser 1 comments	athological comments	A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1	8 9 8 8 8 8 8	athology Observations >> / Special histological comments
All protocol required tissues normal.	iired tissu	ies normal.								

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PRESIDIO OF SAW FRA RAT/Sprague-Dawley	FRANCISCO, CA 94129 Py			Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000947 Day of death: 149	10947	Sex: Male	Sex: Male Status: NORMAL, EUTHANIZED	Group: 2 Terminal boo	Dose level: Terminal body weight (kms):	1.3 PPT/day 0.66
Tissue	<pre></pre>	*	8 8 0 6	Observations >> Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
WHOLE BODY	NO LESIONS RECOGNIZED					699999999999999999999999999999999999999
Tissue	Necropsy memos		* Keclopsy	SY MEBOS >>		
No necropsy memos	No necropsy memos recorded on animal		· · · · · · · · · · · · · · · · · · ·		# 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	Aistopathologic diagnoses		athology Special histolog	Pathology Observations >> / Special histological comments		
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RAT/Sprague-Dawley	×			Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 87000957 Sex: Male Day of death: 149 Status: NORMAL, EUTHANIZED	00957	Sex: Male Status: NORMAL, EUTHANIZED	EUTHANIZED	Group: 2		Dose level: ight (kms):	1.3 PPT/day 0.70
Tissue	Finding, severity NO LESIONS RECOGNIZED	ity <<	4 G G T O B B O B	Observations >> Gross Free-Text Comments			
Tissue Necropsy memos	Necropsy memos recorded on animal		U	Y ROBOK Y ROBOK VY	*		
Tissue	Kistopathologic diagnoses / Special histologic	c diagnoses /	stholog Special his	Kistopathologic diagnoses / Special histological comments INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.	YX 8 4 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94120	PATH SERV	F RESEARCH F GP CA 94129		Indiv	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M		PRINTED: 16-Apr-90 Page: 96
RAT/Sprague-Dawley	ey			51	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000959 Sex: Male Day of death: 149 Status: NORM	7000959 9	Sex: Male Status: NORM		Sex: Male Status: NORMAL, EUTHANIZED	Group: 2 Ter	ELU	Dose level: Terminal body weight (kms):	Dose level: 1.3 PPT/day ody weight (kms): 0.62
Tissue	Finding,	Finding, severity		\$ \$ 0 L D >>	• •	Observations >> Gross Free-Text Comments	Observations >> Gross Free-Text Comments	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY		NO LESIONS RECOGNIZED	•	* * * * * * * * * * * * * * * * * * * *			***************************************	
Tissue		Necropsy memos		×	. X . X . X . X . X . X . X . X . X . X	X	<< Reclobs V Regos >>	
No necropsy memos recorded on animal	s recorded	on animal						

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Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

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PRESIDIO OF SAN FRANCISCO, CA 94129	PATH SERV RANCISCO,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129		Indi	Individual Animal Data Dump Table Study Number: 87012M	Dump Table 012H		-	PRINTED: 16-Apr-90 Page: 97
RAT/Sprague-Dawley Animal: 87000963 Sex: Male Day of death: 149 Status: WORM	190000	Sex:	Sex: Male		Study Start Date: 21-Jul-87 Group: 2	-Jul-87 Terminal b	ody we	Dose level:	TERATOLOGY/ 1.3 PPT/day 0.62
Tissue Finding, severity WHOLE BODY NO LESIONS RECOGNIZED	Finding, NO LESION	Finding, severity NO LESIONS RECOGNIZED	ED *	9 0 5	Observetions >>>	Observetions >>> Gross free-Text Comments			
Tissue Mecropsy memos .	Necropsy memos	Necropsy memos . recorded on animal	;		<< xecrops /> xeaos >>	A A 80 G			0 0 0 0 1 0 0 0 0 0
Tissue Mistopathologic dia	Mistopath	ologic dia	<< P i gnoses /	special hist	<pre>**</pre>	ations >>			2 1 2 0 0 0 0

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LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO. CA 94129	STITUTE O PATH SERV	F RESEARCH GP CA 94120		-	Individ	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M		PRINTED: 16-Apr-90 Page: 98
RAT/Sprague-Dawley	, ,				Stud	Study Start Date: 21-Jul-87	21-Jut-87		TERATOLOGY/
Animal: 8700311 Day of death: 93	00311	00311 Status: Male Status: NORMAL		, EUTHANIZED	e	Group: 3	Dose level: Terminal body weight (kms):	Dose level: Weight (kms):	4.0 PPT/day 0.49
Tissue	Finding,	Finding, severity		9 9 C	u	8	Observations >> Gross Free-Text Comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	•	* * * * * * * * * * * * * * * * * * *			* 6		
Tissue Mecropsy memos	Mecropsy memos	Mecropsy memos recorded on animal		× 0 0 0 2 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0	0 7 0	. X	<< Rec70087 Re308 >>		
Tiscue	Histopati Inflamma	<pre>// Alstopathologic diagnoses / INFLANNATION, LYMPNOCYTIC,</pre>	• • •	Special histo Slight, Focal.	ogy listological.	Obser gical comment	athology Observations >> / Special histological comments		

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LETTERMAN ARMY IN DIV OF RES SUPP, PRESIDIO OF SAM F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM FRANCISCO, CA 04.120		-	ndíví	Individual Animal Data Dump Table Study Number: 87012H	ta Dump Tai 87012M	• 1 e		_	PRINTED: 16-Apr-90 Page: 99
RAT/Sprague-Dawley	F.			Stu	Study Start Date: 21-Jul-87	21-Jul-87				TERATOLOGY/
Animal: 87000315 Day of death: 99	15	Male Norma	Status: NORMAL, EUTHANIZED	۵	Group: 3	Group: 3	Dose level: Terminal body weight (kms):	Dose Weight	Dose level:	4.0 PPT/day 0.45
Tissue	Finding, severity	•	8 0 L g >>			Gross Free-Text Comments	n s >> Comments			4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NG LESIONS RECOGNIZED		9 3 6 8 8 8 8 8 9 9 3 5 6 8 9 9 6 8 8 9 9 8 8 8 9 9 8 8 9 9 8 8 9 9 8 8 9 9 8 8 9 9 8 9 9 8 9 9 8 9 9 9 8 9	:	; ; ; ; ; ;					• • • • • • • • • • • • • • • • • • • •
T second	Necropsy memos		× Kecropsy	0 1		X 0 E				
No necropsy memos	No necropsy memos recorded on animal									
Tissue	Mistopathologic diagnoses / Special histo INFLAMMATIOM, LYMPHOCYTIC, Slight, Focal.	ck P B Bgnoses / NCYTIC, S LENT, Mild	Special h Special h slight, Fo	>~ ·	Pathology Observations // Special histological comments	* * * * * * * * * * * * * * * * * * *	Å 			Object comments

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RAT/Sprague-Dawley	× × × ×			v	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000316 Sex: Male Day of death: 93 Status: NORMAL, EUTHANIZED	00316	Status:	Sex: Male Status: NORMAL,	EUTHANIZED	Group: 3	body we	Dose level:	4.0 PPT/day 0.43
Tissue	Finding,	Finding, severity	*	s s o L g	Observations >> Gross Free-Text Comments	s >> Comments		
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	•	• • • • • • • • • • • • • • • • • • •	6 2 5 6 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	:	! ! !	
Tissue	Necropsy memos			× × × × × × × × × × × × × × × × × × ×		^		
No necropsy memos recorded on snims!	recorded	recorded on animal	• • • • •	* * * * * * * * * * * * * * * * * * *	0 3 5 6 6 6 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	•	! ! !	5 6 5 6 6 6 6 6 6 7 7 7 8 8 8 8 8 8 8 8 8 8 8
Tissue	Histopati INFLAMMA	<pre>/< P a t h o l o Histopathologic diagnoses / Special hi INFLAMMATION, PURULENT, Slight, Focal.</pre>	<pre><< P a gnoses / ENT, Slig</pre>	Special hist	athology Observations>> / Special histological comments ight, Focal.	رن بن ر		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	LETTERNAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Spregue-Dewley	EARCH 4129		Indivi	Individual Animal Data Dump Table Study Number: 87012M Study Start Date: 21-Jul-87	Data Dump r: 87012M e: 21-Jul	Table -87			PRINTED: 16-Apr-90 Page: 101 TERATOLOGY/
Animal: 87000319 Sex: Male Day of death: 93 Status: WORMA	100319 S	Sex: Male tatus: NORMA	ale ORMAL,	Sex: Male Status: WORMAL, EUTHANIZED	Group: 3	m	Termina	l body wei	Dose level: Terminal body Weight (kms):	4.0 P 0.55
Tissue Finding, severity	Finding, severity	rity	¥	•		Free-Tex	Gross Free-Text Comments		# 1	8 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
WHOLE BODY	NO LESIONS RECOGNIZED	COGNIZED								
Tissue Mecropsy memos	Mecropsy memos recorded on animal	s minet		Y 8 G O L U 8 Y	× • • • • • • • • • • • • • • • • • • •	X 6 B 0 S >>	*			<< Recropsy Memos >>

Mistopathologic diagnoses / Special histological comments
INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

Tissue PROSTATE

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PAIN SERV GP	PATH SERV	F RESEARCH GP		Indi	Individual Animal Data Dump Table Study Number: 87012M	able.		PRINTED: 16-Apr-90 Page: 102
RAT/Sprague-Dawley	**************************************	CA 74 127		v	Study Start Date: 21-Jul-87	21		TERATOLOGY/
Animal: 87000322 Day of death: 93	00322	Status: NORMAI	Sex: Male tus: NORMAL,	EUTHANIZED		body we	Dose level:	4.0 PPT/day 0.54
Tissue	Finding,	<pre>finding, severity</pre>	¥	8 0 L g	Observations >>> Gross Free-Text Comments	s >> Comments	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	ED		9 7 7 7 4 4 3 5 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	;	• • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecropsy memos			Z >>		^		
No necropsy memos recorded on animal	recorded	on animal						
Tissue Histopathologic diagnoses	Histopati fred tissu	Mistopathologic diagnoses	<u> </u>	Special hist	Pathology Observations >> / Special histological comments	A A	0 0 0 0 0	

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PRESIDIO OF SAW FRA RAT/Spregue-Dawley	FRANCISCO, CA 9. ley		•	Study Start Date: 21-Jul-87	1.		TERATOLOGY/
Animal: 87000325 Day of death: 93	00325	Sex: Male	Sex: Male Status: NORMAL, EUTHAMIZED	AL, EUTHANIZED Group: 3 Terminal body weight (kms): 0.58	Dose level: Terminal body weight (kms):	Dose level: ight (kms):	4.0 PPT/day 0.58
Tissue	;		# # O L 5 >>	Chservations >>> Gross Free-Text Comments	r s YY Comments		
WHOLE BODY	NO LESIONS RECOGNIZED		5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			• • • • • • • • • • • • • • • • • • •	5 t 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue				<< RECTODS Y REBOS >>	^		
	No necrones memor recorded on animal						

Ali protocol required tissues normal.
Ali protocol required tissues normal.

LETTERMAN ARMY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 16-Apr-90 Page: 104
PRESIDIO OF SAN FRA RAI/Sprague-Dawley	RANCISCO, CA 94129 'Y	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000333	0333	Group: 3 Terminal body we	Dose level: 4.0 PPT/day
Tissue	finding, severity	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED		
Tissue		<< SOEDX ASGOLUDZ >>	
No necropsy memos	No necropsy memos recorded on animal		•
Tissue All protocol requi	Tissue Histopathologic diagnoses	<pre><< Pathology Observations >> gnoses / Special histological comments</pre>	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV G	RESEARCH P			Indivi	Individual Animal Data Dump Table Study Number: 87012M	ata Dump T : 87012M	able			9	PRINTED: 16-Apr-90 Page: 105
RAT/Sprague-Dawley	EY	A 74 127			Stu	Study Start Date: 21-Jul-87	: 21~Jul-8					=
Animal: 87000338 Day of death: 93	0003	Sex: Male	Sex: Male	Sex: Male Status: NORMAL, EUTHANIZED	6	Group: 3	: 0	Terminal	body we	Terminal body weight (kms):		4.0 PPT/day 0.53
Tissue	Finding, severity	everity	¥	* * ° C		Observations >> Gross Free-Text Comments	a t i o n Free-Text	s >> Comments	t ; ; ; ; ;	# 0 1 1 2 1 1	• • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VHOLE BODY	NO LESIONS RECOGNIZED	RECOGN128	•	p				: : : :				
Tissue	Mecropsy memos	\$		**************************************	ر 1	M	80 E 40 X	^		,		AA % C 框 4
No necropsy memos recorded on animal	recorded on	n animal)) ; ;								
Tissue		logic diag	<< P 4	sthol Special	ogy histol	Pathology Observations / Special histological comments	7 < a t	# E	^			
All brotocol required tissues normal.	Lired tissues Normal.	normal.				7 6 6 6 6 7 9 6 6 9 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8						

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RAT/Sprague-Dawley	FKANCISCO, 1	CA 94169		S	Study Start Date: 21-Jul-87	7		TERATOLOGY/
Animal: 87000341 Day of death: 99	00341	0341 Status: NORMAL	آب ا	EUTHANIZED	Group: 3 Terainel	body we	Dose level: ight (kms):	.5.0
Tissue	Finding, severity	severity		66 60 L	5	93		
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED		# • • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue		の理の語の語		** X & C C C D & Y	* 0 E + X		1	
No necropsy memos recorded on animal	paprocer a	recorded on animal		· · · · · · · · · · · · · · · · · · ·				
Fissue Nistopathologic dia	Histopath	Mistopathologic diagnoses		Special histo	athology Observations >> / Special histological comments	A A		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM ERANTIECO FA 04120	PATH SERV	RESEARCH GP CA 04120		-	ndivi	Individual Animal Data Dump Table Study Number: 87012H	ta Dump Table 87012M		_	PRINTED: 16-Apr-90 Page: 107
RAT/Sprague-Daviey	F.Y.	44 KA			Stu	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000350 Sex: P Day of death: 99 Status: B	00350	Sex: Status:	IB Le	Sex: Male Status: NORMAL, EUTHANIZED		Group: 3	Jerieror	Dose level: Terminal body weight (kms):	Dose (evel: eight (kms):	4.0 PPT/day 0.49
Tissue	Finding, severity	severity	•	* * O _ U _ >;	•	O b s e r v a t i o Gross Free-Tex	Observations >> Gross Free-Text Comments	1 3 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESION	NO LESIONS RECOGNIZED		* * * * * * * * * * * * * * * * * * *	!			* * * * * * * * * * * * * * * * * * *		2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Tissue	Necropsy memos	\$0 8		# ***	0 L U	Heclops Y	^^			
No necropsy memos recorded on animal	recorded	on enimel				T 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	v o o e e e e e e e e e e e e e e e e e			
Tissue Mistopathologic dia All protocol required tissues normal.	Kistopath	ologic diag	/ b sout	Special h	istol	ogical comments	Aistopathologic diagnoses / Special histological comments red tissues normal.	*		Afstopathologic diagnoses / Special histological comments red tissues normal.
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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV GF	RESEARCH		Pul	Individual Animal Data Dump Table Study Number: 87012M	Dump Table 012M			PRINTED: 16-Apr-90 Page: 108
RAT/Spregue-Dawley	KANCISCO, C)	4 1 24		•	Study Start Date: 21-Jul-87	-Jul-87			TERATOLOGY/
Animal: 87000355 Day of death: 99	1 1 1	Sex: Male Status: NORMAL,	Sex: Male Status: NORMAL,	EUTHANIZED	Group: 3 Terminal body weight (kms):	Terains	Dose level: Terminal body weight (kms):	body weight (kms):	4.0 PPT/day 0.48
Tissue	Finding, severity	verity	¥	Finding, severity	. <i>V</i>	i o n s >>			ervations >> Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZ	ED						
1 1 2 2 3 1 1 1 2 3 1 1 1 1 1 1 1 1 1 1	Mecropsy memos	808		× 8 G O L U B X >>		A	6 6 6 6	0 0 0 0 0 0	
			٠ ٧	r holos	**************************************	. t . o . s	^		
Tissue	Nistopathologic diagnoses / INFLANNATION, LYMPHOCYTIC, INFLANNATION, PURULENT, SLI	Ogic dia	gnoses / OCYTIC, S ENT, SLIS	Mistopathologic diagnoses / Special histologic History Carlos (1997) Nultifocal History Purulent, Slight, Multifocal	Special histological comments Slight, Multifocal. ght, Multifocal.	6			

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LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129	MSTITUTE OF PATH SERV FRANCISCO,	F RESEARCH GP CA 94129		Į	Individual Animal Data Dump Table Study Number: 87012H	ata Dump Table :: 87012M		G.	PRINTED: 16-Apr-90 Page: 109
RAT/Spreeue-Dawley	ey				Study Start Date: 21-Jul-87	s: 21-Jul-87			TERATOLOGY/
Animal: 87000361 Sex: Male Day of death: 99 Status: NORMA	000361	Sex: Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED		W. Termin	Terminal body weight (kms):	(kas):	4.0 PPT/day 0.42
Tissue	Finding, severity	Finding, severity	*	8 9 C L 19	•	Observations >>>		0 0 0 0 0 0 0	6 6 5 5 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		930991090000000000000000000000000000000	• • • • • • • • • • • • • • • • • • •		
Tissue		Mecropsy memos		<< Necropsy	X > * C O L	A	8 8 8 8 9 9 9	8 9 8 6 8 8	Necrobsy Resos
No necropsy memor recorded on animal	* recorded	on animal							
1.00 m	Kistopath	Xistopathologic diagnoses	occ P i	Special his	gy obse	Nistopathologic diagnoses / Special histological comments	^	3 6 8 9 8	bservations >> comments
All protocol required tissues normal.	user tissu	Les normal.							

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	ISTITUTE O	F RESEARCH		Indi	Individual Animal Data Dump Table Study Number: 87012M	Data Dump er: 87012M	Table			PRINTED: 16-Apr-90 Page: 110
RAT/Spregue-Dawley	KANCISCO,	CA 94 129		S	Study Start Date: 21-Jul-87	:e: 21-Jul-	87			TERATOLOGY/
Animal: 87000362 Sex: Male Day of death: 106 Status: NORMAN	00362	Status:	Sex: Male Itus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 3 Ter	m	Terminal	Terminal body weight (kms):	Dose level: Fight (kms):	Animal: 87000362 Sex: Male Group: 3 Terminal body weight (kms): 0.53
Tissue	Finding,	Finding, severity	¥	8	O 5 & C C	O 5 s e r < a t i o n s >> Gross Free-Text Comments	n s >>> Comments			
UHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED		# @ # 9 @ # 9 9 9 5 5 5 6 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		1 1 1 1 1 1 1	1 3 6 1 1 1 1 4	• • • • • • • • • • • • • • • • • • •	8 8 8 8 8 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecropsy memos			Z × ×	x > x 0 0 L U 0 X	^^ # O E # X	^			<< ROESK V ROES >>
No necropsy memos recorded on animal	recorded	on animal								

Itssue Mistopathologic diagnoses / Special histological comments

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM.SERV GP PRESIDIO OF SAM FRANCISCO, CA 94129	PATH SERV FRANCISCO,	F RESEARCH GP CA 94129		Ä	ndivi	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M		•	PRINTED: 16-Apr-90 Page: 111
AAI/apregue-Dawley	ey	6			StC	Study Start Date: 21-Jul-67	21-Jul-87			TERATOLOGY/
150	000365 5	Sex: Status:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTNANIZED	_	Group: 3	Terain	Terminal body weight (kms):	Dose Level: Pight (kms):	4.0 PPT/day 0.52
Tissue	Finding,	Finding, severity	¥	8 6 0 L U		. *	Observations >> Gross Free-Text Comments			8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED		9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue		Necropsy memos	1	>>	0 L	÷ ±				
No necropsy memos recorded on animal	recorded	on animal				- 9 a 8 a a a 9 b a a a a a a a a a a a a a a a		6 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
Tissue		Mistopathologic diagnoses	<pre></pre>	special hi	s to le	Obse F ogical comments	Aistopathologic diagnoses / Special histological comments	^	:	
All protocol required tissues normal.	ifred tiss	ues normal.							• • • • • • •	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF REPAIN SERV GP	SEARCH))	Indiv	Individual Animal Data Dump Table Study Mumber: 87012M	l Date Dum ber: 67012	p Table			-	PRINTED: 16-Apr-90 Page: 112
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA Y	94129		St	Study Start Date: 21-Jul-87	ate: 21-jų	1-87		1		TERATOLOGY/
Animal: 87000367 Sex: Male Day of death: 106 Status: NORMAL	00367	Sex: Male Status: NORMAL		EUTHANIZED	Grou	Group: 3	Terminal body weight (kms):	D body wei	Dose level: weight (kms):		4.0 PPT/day 0.58
Tissue	Finding, severity	:	*	*		Observations //	Gross Free-Text Commercia				ervations >>> Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	ECOGNIZE		6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		: : : : : : :	- - - - - - - - - - - - - - - - - - -				
Tissue		* 0		** Xecrobs	у e q o		^				9 1 0 0 0 0 0
No necropsy memos recorded on animal	recorded on animal	animat	P		0 0 0 0 0 0 0						
Tissue Mistopathologic dia	Mistopathologic diagnoses	gic diag	/< P a	athology Observations >> / Special histological comments.	y 0 b sological com	ments.				0 0 0 0	Afstopathologic diagnoses / Special histological comments. red tissues normal.

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RAT/Spregue-Dewley	,			St	Study Start Date: 21-Jul-87	21-jul-87				TERATOLOGY/
Animal: 67000370 Sex: Male Day of death: 106 Status: MORMAL, EUTHANIZED	00370 S	Sex: Male Status: KORMAL	Sex: Male tus: MORMAL,	L, EUTHANIZED	Group: 3 Terminal body weight (kms):		rminel body	Terminal body weight (kms):		4.0 PPT/day 0.41
Tissue WYOLE BODY	Finding, severity	Finding, severity NO LESIONS RECOGNIZED	¥ e	40	•	t i o n s	386-V			Gross Free-Text Comments
Tissue	Necropsy memos	į	0 0 6 1 8 0 0	X		X				
No necropsy memos recorded on animal	recorded	on animal								

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Tissue Nistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

PARSIDIO OF SAM FRAUCISCO, CA 94129 RAT/Sprague-Dauley Animal: 87000384 Ser: Male Animal: 87000384 Ser: Male Day of death: 106 Study Start Date: 21-Jul-87 Animal: 87000384 Ser: Male C	LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE O PATH SERV	F RESEARCH	!	indi	Individual Animal Data Dump Table Study Number: 87012M	Dump Table 012M		PRINTED: 16-Apr-90 Page: 114	Apr-90
Finding, severity ACCOMIZED ACCO SSO DDS ACCO ACCO ACCO ACCO ACCO ACCO ACCO ACC	PRESIDIO OF SAN FIRMAT/Spreaue-Dawle	RANCISCO,	CA 94129		w	S	-Jul-87			TOLOGY/
ZED <- Gross Obs ZED <- Mecrops <- Mec	Animal: 870 Day of death: 106	00384	Status	Male Normal,	EUTHANIZED	Group: 3	Terminal	Dose Leve body weight (Kms	1: 4.0 PPT/d): 0.38	>
ZED	Tasue T	Finding,	severity	¥	8 C U	Observat Gross Free	i o n s >> -Text Comments			1
Tissue Mecropsy memos No necropsy memos recorded on animal A Pathological comments Tissue Mistopathologic diagnoses / Special histological comments	WHOLE BODY	NO LESTO	NS RECOGNIZE	:	• • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • •	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
No necropsy memos recorded on animal << Pathology Observations >> Tissue Nistopathologic diagnoses / Special histological comments	Tissue	Mecropsy	Renos	1	L U 0 2 2 V V	E e E	^^ 8 0			8 9 9 8
	No necropsy memos	recorded	on animel							
	Tissue	Histopat	thologic diag	A P 1 Inoses /	atholog Special hist	y 0 b s e r v ological comments	. t . o . s	^		1 1 6 9

All protocol required tissues normal.

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RAT/Sprague-Dawley	**************************************		Š	Study Start Date: 21-Jul-87	-87		TERATOLOGY/
Animal: 87000386 Day of death: 106	Animal: 87000386 Sex: Mal	Sex: Male atus: Mormal,	Sex: Male Status: NORMAL, EUTHANIZED	G Group: 3 Ter	Terminal body weight (kms):	Dose Level: bight (kms):	Dose level: 4.0 PPT/day
# # # # # # # # # # # # # # # # # # #	Finding, severjity	¥	8 8 0 L G >>		ns >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	•	6 6 8 9 9 6 6 6 6 9 9 9 8 8 8 8 8 8 8 8			: : : : : :	5 5 6 6 5 5 6 6 6 6 6 6 6 6 6 6 7 6 7 6
Tissue	Mecropsy memos		» ф ф о ∟ ∪ е ж >>	<< # OE B X A S C O C O B X >>	^		
No necrossy memos	Mo necrossy memos recorded on animal						

Tissue Mistopathologic diagnoses / Special histological comments

All protocol required tissues normal.

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF REPAIN SERV GP	ESEARCK	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 16-Apr-90 Page: 116
PRESIDIO OF SAW FRA RAT/Sprague-Dawley	RANCISCO, CA Y	94129	Study Start Date: 21-Jul-67	TERATOLOGY/
Animal: 67000389 Day of death: 115	00389	BLE	Group: 3 Terminal body	4.0 P
Tissue.	Finding, severity	V	(Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED			
Tissue	Mecropsy memos		< * * * * * * * * * * * * * * * * * * *	
No necropsy mesos recorded on animal	recorded on			
Tissue	Histopathold Inflammation	<pre>Aistopathologic diagnoses / Special hi INFLAMMATION, LYMPHOCYTIC, Slight, Mul INFLAMMATION, PURULENT, Slight, Focal.</pre>	Mistopathologic diagnoses / Special histological comments INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal. INFLAMMATION, PURULENT, Slight, Focal.	

		Appendi	0	Appendix 0 (Cont.):	Pathology		
LETTERMAN ARMY I DIV OF RES SUPP., PRESIDIO OF SAM	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP DEFESTOTO OF SAM FRANCISCO, CA 04120		Indiv	Individual Animal Data Dump Table Stúdy Number: 87012M	sta Dump Table : 87012M		PRINTED: 16-Apr-90 Page: 117
RAT/Sprague-Dawley	ey		Sti	Study Start Date: 21-Jul-87	: 21-Jul-87		TERATOLOGY/
Animal: 8700391 Day of death: 99	00391		12ED	Group:	Group: 3 Terminal body weight (kms): 0.50	se (evel: ght (kms):	4.0 PPT/day 0.50
Tissue	Finding, severity		Д 0	2 8 8 0 0	O b s e r v a t i o n s vv Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED						
Tissue	Necropsy memos	*	0 2 0	X Yedorow X	< Recropsy Mesos >>	• • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

A pathologic diagnoses / Special histological comments
All protocol required tissues normal.

No necropsy memos recorded on animal

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF RESEA PATH SERV GP	IRCH .	Indi	Individual Animal Data Dump Table Study Number: 87012M	Dump Table		_	PRINTED: 16-Apr-90 Page: 118
PRESIDIO OF SAN FRA Rat/Sprague-Dawley	RANCISCO, CA 941 y	129	eg	Study Start Date: 21-Jul-87	11-Jul-87			TERATOLOGY/
Animal: 87000398 Day of death: 99			, EUTHANIZED	E	Teraino	body ¥	Dose level: ight (kas):	4.0 PPT/day 0.55
Tissue	Finding, severity	¥	8 8 C L	0 b s	Observations >> Gross Free-Text Comments		4 4 4 9	
WHOLE BODY	NO LESIONS RECOGNIZED	GNIZED	4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
Tissue			Z >>	Z > v C O C O = Z	A^ ** O E ** T			
No necropsy memos recorded on animal	recorded on anim	; ; ; ;		, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
Tissue	Histopathologic diagnoses	^	atholog Special hist	athology Observations / Special histological comments	/ m t = 0 = s	^		
All protocol required tissues normal.	inted themses bornel.							

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LETTERMAN ARMY INSTITUTE OF R DIV OF RES SUPP, PATH SERV GP	LETTERNAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	*	Ě	dividual Stu	Animal Da dy Number:	Individual Animal Data Dump Table Study Number: 87012M	u		•	RINTED: Page:	PRINTED: 16-Apr-90 Page: 119
RAT/Spregue-Dewley				Study S	tart Date:	Study Start Date: 21-Jul-87				-	TERATOLOGY/
Animal: 87000399 Day of death: 99		Sex: Male	Sex: Male Status: NORMAL, EUTHANIZED		Group: 3		Dose (evel: Terminal body weight (kms):	Dose (ev y weight (km	Dose (evel: Bight (kms):	4.0 PPT/day 0.47	4.0 PPT/day 0.47
Tissue	Tissue Finding, severity	*	# O L G >>	0		O b s e r v a t i o n s >> Gross Free-Text Comments	>> #ents				,
WOLE BODY	NO LESIONS RECOGNIZED	• • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
Tissue			* Necrobsy		Z .	X					
No necropsy memos	No necropsy memos recorded on animal	-									
T 5 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tissue Mistopathologic diagnoses / Special histological comments	iegnoses /	stholo Special his	g y stologica	O b s e r	< * t · o n	*		; ; ;		
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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP	HSTITUTE OF PATH SERV	F RESEARCH GP		Indi	Individual Animal Data Dump Table Study Number: 87012M	ump Table 12M			PRINTED: 16-Apr-90 Page: 120
PRESIDIO OF SAM FRANCISCO, CA 94129 Rat/Spregue-Dawley	FRANCISCO, Ley	CA 94129		S	Study Start Date: 21-Jul-87	Jul-87		,	TERATOLOGY/
Animal: 87000401 Day of death: 99	700401 Sex: Male P Status: NORMAL	Sex: Status:		EUTHANIZED	Group: 3 Terminal	Terminal	Dose level: Terminal body weight (kms):	Dose Level: ight (kms):	4.0 PPT/day 0.52
Tissue Finding, severity	Finding,	Finding, severity		* O L	Observations >>>	Gross Free-Text Comments			
WHOLE BODY		NO LESIONS RECOGNIZED	•	6 6 7 7 8 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 9 8 9		6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	• • • • • •	1 1 1 1 1	
Tissue		30508		× × × × × × × × × × × × × × × × × × ×		Z 6 8 27			
No necropsy memos recorded on animal	s recorded	recorded on animal		• • • • • • • • • • • • • • • • • • •		5 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	• • • • • •	: : : :	0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 8 8 8 8
Tissue Mistopathologic diagnoses / All protocol required tissues normal.	Mistopath	Mistopathologic diagnoses red tissues normal.	d >> gnoses /	atholog Special hist	athology Observations >> Special histological comments	tions >>			

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV	OF RESEARCH		-	Indivi	Individual Animal Data Dump Table Study Number: 87012H	sta Dump Ta: 87012M	₽1¢			PRINTED: 16-Apr-90 Page: 121
RAT/Sprace-Destey	AAMC1300,	, CA 74 127				Study Start Date: 21-Jul-87	: 21-Jul-87				TERATOLOGY/
Animal: 87000409 Day of death: 99	00400	Status:	Sex: Male tus: Normal,	Sex: Male Status: WORMAL, EUTHANIZED		Group: 3	, <u> </u>	erminal	Dose level: Terminal body weight (kms):	Dose level: dy weight (kms):	4.0 PPT/day 0.54
Tissue Finding, severity << Gross	Finding,	Finding, severity	¥	* O L G	•	Observations >> Gross Free-Text Comments	G T V a t i o n s >> Gross Free-Text Comments	s >> omments	6 8 8 8 8 8 8 9 8		5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6
WOLE BODY	NO LESTO	NO LESIONS RECOGNIZED					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	•	•	4 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Tissue	Necropsy memos	SOE .		×	n r 0	× × • • •	^^ * O E • X	^			
No necropsy memos recorded on animal	recorded	recorded on animal	- - - - - - - - - - - - - - - - - - -	• • • • • • • • • • • • • • • • • • •							
	Histopat	hologic diag	<< P .	special h	o g y istol	A Pathologic diagnoses / Special histological comments	7 < 8 t i 0	۰ •	^		
PROSTATE	INFLAMA	INFLANMATION, LYAPHOCYTIC, Mild, Multifacel,	CYTIC. R	tild, Mutt	foce			•		: : : : :	. X.4. XI(1/608).

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV	JE RESEARCH		Individual Animal Data Dump Table Study Number: 87012H	PRINTED: 16-Apr-90 Page: 122
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO,	, CA 94129		Study Start Date: 21-Jul-67	TERATOLOGY/
Animal: 87000410 Sex: Hale Day of dearh: 106 Status: NORHA	00410	Status	ا ئىد ،	Group: 3 Terminal	4.0 PPT/day 0.44
Tissue Finding, severity	Finding,	Finding, severity		Gross Observations >>> Gross Free-Text Comments	
VNOLE BODY	NO LESIC	NO LESIONS RECOGNIZED	ED		
Tissue	Necropsy memos	***************************************		<< see A See	
No necropsy memos recorded on animal	recorded	recorded on animal			
Tissue	Kístopa	<< P Mistopethologic diagnoses	. `	athology Observations >> / Special histological comments	
All protocol required tixenes normal.	ired ties	recent timester porme .	! ! ! !		

LETTERNAM ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAW FRANCISCO, CA 94129	INSTITUTE OF , PATH SERV FRANCISCO,	RESEARCH GP CA 94129		Indiv	Individual Animal Data Dump Table Study Number: 87012H	Table		•	PRINTED: 16-Apr-90 Page: 123
AAT/Spregue-Dawley	l ey 7000803 55	8 8 8 8 8 8 8 8 8 8		St Sex: Mele Stetus: MORMAL, EUTMANIZED	Study Start Date: 21-Jul-67 Group: 3 L, EUTWANIZED	inet bo	Dose (evel:	(TERATOLOGY/ 4.0 PPT/day 0.56
Tissue	Finding, severity	severity	*	:	O b s e T < s t i o n s VV Gross Free-Text Comments	n s >> t Comments		6 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
VHOLE BOOY		NO LESIONS RECOGNIZED		• • • • • • • • • • • • • • • • • • •		* * * * * * * * * * * * * * * * * * *			
Tissue		Necropsy memos	•	Y R G C L O D S Y	< Reclobs V Regos >>	A .	6 6 6 0	• • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	be recorded	on enimel							
Tissue		Mistopathologic diagnoses		Special histolog	/ Special histological comments Mild, Multifocal.	A			

LETTERNAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	F RESEARCH GP	Aipul	Individual Animal Data Dump Table Study Number: 87012M	Table			PRINTED: 16-Apr-90 Page: 124
PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Spregue-Daniey	RANCISCO, Y	CA 94129	St	Study Start Date: 21-Jul-87				TERATOLOGY/
Animal: 87000805 Day of death: 134	00805	7000805 Sex: Male 34 Status: NORMAL	e Mal, Euthanized	Group: 3 Terminal		Dose level: body weight (kms):	Dose level: ight (kms):	4.0 PPT/day 0.51
	Finding,	<pre><< G r o s s Tissue Finding, severity</pre>	* * 6 T 0 * *	O b s e r v a t i o n s >> Gross Free-Text Comments	· '			
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	: : : :		
Tissue		SOUPE	×		^	1 1 1 1 1		0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	recorded on ani	on animal	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
Tissue	Mistopat Inflama	<pre>Aistopathologic diagnoses / Special histolog INFLANNATION, LYMPNOCYTIC, Mild, Multifocal.</pre>	Special histo	Aistopathologic diagnoses / Special histological comments INFLAMMATION, LYMPNOCYTIC, Mild, Multifocal.	4 4 C			

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LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP BREEFING OF SAN ERANTIECO CA 04430	PATH SERV	F RESEARCH GP		Pul.	ividual Animal I Study Number	Individual Animal Data Dump Table Study Number: 87012M			PRINTED: 16-Apr-90 Page: 125
RAT/Sprague-Dauley	17 AND 11 BCO.	73 157		••	Study Start Date: 21-Jul-87	e: 21-Jul-87			TERATOLOGY/
Animal: 87000811 Sex: Male Day of death: 135 Status: NORMAL, EUTHANIZED	00811	Status: Mo	Male Hormal,	e Mal, Euthanized	Group:		body we	Dose level: bight (kms):	4.0 PPT/day 0.54
Tissue	Finding,	Finding, severity	¥	# 0 L g	•	O b s e r v a t i o n s >> Gross Free-Text Comments		5	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WOLE BODY	NO LESTOR	NO LESIONS RECOGNIZED	•	8 1 2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		6 4 4 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			. 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Tissue Necropsy memos: No necropsy memos recorded on animal	Mecropsy memos	Mecropsy memos.		** **	M Y # G O L O # M	A ROBOR VS CODOR VS C		•	
Tissue	Histopath	Mistopathologic diagno.	708es /	tholog Special hist	y 0 bs e	Mistopathologic diagnoses / Special histological comments	^		
)	INFLAMMAT	TION, LYMPHO		INFLANMATION, LYMPHOCYTIC, MILd, MULEIfocal.	cet.	IC, Mild, Multifocal.		• • • • •	6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SER	OF RESEARCH	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 16-Apr-90 Page: 126
RAT/Spregue-Dawley	KARCI SCO.	, CA 94 149	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000817 Day of death: 141	00817	Animal: 87000817 Sex: Male	Group: 3 Terminal body Weight (Kms):	4.0 PPT/day 0.64
Tissue	Finding	Finding, severity	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Hecropsy memos	y menos	Mecropsy menos	
No necropsy memos recorded on animal	recorde	d on animal		
Tissue	Nistopa INFLAMM	Mistopathologic diagnoses /	Pathology Observations >> Special histological comments	

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LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 04120	STITUTE OF RESE PATH SERV GP PAHCISCO, CA 94	ARCH 120		Indi	vidual Animal Data Dump Study Number: 87012M	Individual Animal Data Dump Table Study Mumber: 87012M		PRINTED: 16-Apr-90 Page: 127
RAT/Sprague-Dawley	,	į		·		:: 21-Jul-87		TERATOLOGY/
Animal: 87000825 Sex: Male Day of death: 141 Status: NORMAL, EUTHAMIZED	00625 St	Sex: Mal	Mele Normal,	Sex: Male Status: NORMAL, EUTHANIZED		J	Group: 3 Terminal body weight (kms):	4.0 PPT/day 0.59
Tissue	Finding, severity	ity	¥	* * 6 F O * *	•	Observations >>> Gross Free-Text Comments	Observations >> Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED	OGN 1 2E	•	* * * * * * * * * * * * * * * * * * * *		u # e		******
Tissue	Mecropsy memos			- U	X		<< REBY Y8001087 >>	
No necropsy memos recorded on animal	recorded on an	1001						

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV	OF RESEARCH	Individual Animal Data Dump Table PRINTE Study Number: 87012M	PRINTED: 16-Apr-90 Page: 128
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	KANCISCO,	, CA 94129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000835 Day of death: 135	00835	Animal: 87000835 Sex: Male ey of death: 135 Status: MORMAL, EUTHANIZED	Group: 3 Terminal body weight (kms): 0.63	4.0 PPT/day 0.63
Tissue	Finding,	<pre>// company control company compan</pre>	Gross Coments Gross Free-Text Comments	
WOLE BODY	NO LESIC	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecropsy memos	**************************************	<< ** ** ** ** ** ** ** ** ** ** ** ** *	
No necropsy memos recorded on animal	recorded on a	d on animal		9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Histopel	A .	athology Observations >> / Special histological comments	
PROSTATE	INFLANKA	INFLAMMATION, LYMPHOCYTIC,	8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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RAT/Spregue-Dawley	wley		īs	Study Start Date: 21-Jul-87	11-87			TERATOLOGY/
Animal: 87000839 Sex: Male Day of death: 143 Status: MORN	87000839 143	Sex: Male Status: NORMA	 Sex: Male Status: MoRMAL, EUTMANIZED	Group: 3 Cerminal body weight (kms): 0.62	Terminal	Terminal body weight (kms):	(e e e e e e e e e e e e e e e e e e e	4.0 PPT/day 0.62
Tissue	Finding,	Finding, severity		<pre>< Gross Observations >> Gross Free-Text Comments</pre>	ons >>	0 0 0 1 0 0 0 1 1 1	1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY		NO LESIONS RECOGNIZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		•	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	: : : :	
Tissue Necropsy memos No necropsy memos recorded on animal	Hecropsy memos	Mecropsy memos recorded on animal	 L U		^	0 4 6 9 9 9 9	0 0 0 0 0	

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV	F RESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012M	able		PRINTED: 16-Apr-90 Page: 130
PRESIDIO OF SAM FRA RAT/Sprague-Dawley	RANCISCO,	CA 94129		St	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000845 Sex: Male Day of death: 141 Status: MORMAL	00845	Sex: Male Status: MORMAL	Male HORMAL,	, EUTHANIZED	Group: 3	Dose level: Terminal body weight (kms):	Dose level: ight (kms):	4.0 PPT/day 0.61
Tíssue	Finding,	Finding, severity	¥	# O L	Observations >> Gross Free-Text Comments	s >> Comments		
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			; ; ; ;	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecropsy memos			** ** ** ** ** ** ** ** ** ** ** ** **		*		
No necropsy sesos recorded on animal	recorded on ani	;	, , , ,	e e e e e e e		8	: : : :	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue		<pre><< P Mistopathologic diagnoses</pre>	/ \$3 \$0 U O S & \$ /	Special histo	athology Observations >> / Special histological comments	A		
All brotocol required tissues normal.	ifred tiss	red tissues normal.	• • • • •			* * * * * * * * * * * * * * * * * * *	• • • • • •	***************************************

LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	PATH SER PATH SER RANCISCO	OF RESEARCH		ind!	Individual Animal Data Dump Table Study Number: 87012M Study Start Date: 21-Jul-87				PRINTED: 16-Apr-90 Page: 131 TERATOLOGY	ED: 16-Apr-90 ge: 131 TERATOLOGY/
Animal: 87000849 Sex: Maid Day of death: 147 Status: NOR	00849	Status	Sex: Male tus: NORMAL,	Sex: Maie Status: WORMAL, EUTHANIZED	Group: 3 Terminal body weight (kms):	Terminel	Terminal body weight (kms):	Dose Level: ight (kms):	4.0 PPT/day 0.62	PT/de
Tissue	Finding	Finding, severity	¥	* 6 F O * 8	. •	Gross Free-Text Comments				
WHOLE BODY	NO LEST	NO LESIONS RECOGNIZED	•	***************************************			• • • • • • • • • • • • • • • • • • •		t t t	• • •
Tissue		Hecropsy memos		× × × × × × × × × × × × × × × × × × ×	Recropsy memos	^ •				,
No necropsy memos recorded on animal	recorde	d on snims!								
Tissue	Histops	thologic dia	<pre></pre>	atholog Special hist	A pathologic diagnoses / Special histological comments	t i o n s	^		`	

All protocol required tissues normal.

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PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO, CA 94129 Y		5	21-Jul-87		TERATOLOGY/
Animal: 87000859 Day of death: 137	00859	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 3 Terminal body weight (RMS):	Dose Level: Terminal body weight (Kms):	1 1
Tissue	<pre>c G r o s s Tissue Finding, severity</pre>	¥	6 0 L 9	, (
WHOLE BODY	NO LESIONS RECOGNIZED	! ! !	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue	Mecropsy memos		X	<< #0E#X ASQCLU#Z >>		
No necropsy memos	No necropsy memos recorded on animal	• • • • •				
	Wistopathologic dia	cc P c	atholog Special histo	A Pathologic diagnoses / Special histological comments	^	
PROSTATE	INFLAMMATION, LYAPHOCYTIC, Moderate, Multifocal,	OCYTIC.	Moderate, Muli	tifocal.		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV	RESEARCH			Indiv	idual Ani Study N	mal Dat umber:	Individual Animal Data Dump Table Study Number: 87012M	•			ā	RINTED	PRINTED: 16-Apr-90 Page: 133
RAT/Sprague-Dawley	KARCI SCO.	CA 94129			Sti	udy Start	Date:	Study Start Date: 21-Jul-87						TERATOLÓGY/
Animal: 87000869 Sex: Male Day of death: 147 Status: MORMA	00869	Sex:	Sex: Male tus: Mormal,	Sex: Wale Status: WORMAL, EUTHANIZED	۾		Group: 3		Terminal body weight (kms):	ody we	Dose level: sight (kms):	evel: kms):	4.0 6	4.0 PPT/day 0.65
Tissue Finding, severity	Finding,	Finding, severity	¥	# 0 L G		•	6 C < 4	Observations >>> Gross Free-Text Comments	**************************************			-		
WOLE BOOT	NO LESTON	NO LESIONS RECOGNIZED		6 6 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			, , ,		t t t t	; ; ; ;		i i i i		
Tissue	Necropsy memos	80 88 8		× × × × × × × × × × × × × × × × × × ×	r -	× d o	×	# O # O #			1			
No necropsy senos recorded on animal	recorded	recorded on animal		• • • • •		: : : : :	! ! !		* : : : :	:	† 			
Tissue	Kistopath Inflammat	<pre>/< P a t h o l o g y Mistopathologic diagnoses / Special histolog INFLANNATION, LYMPNOCYTIC, Mild, Multifocal.</pre>	onoses /	Special	og) istol	logical c	S e r	Pathology Observations >> / Special histological comments 2, Mild, Multifocal.	^			1 1 1 1 1		0 0 0 1 0 0 0

LETTERNAN ARNY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	_	ipui	Individual Animal Data Dump Table Study Number: 87012M	Table	PRINTED: 16-Apr-90 Page: 134
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCINCO, CA 94129 Y		Ñ	Study Start Date: 21-Jul-87	-87	TERATOLOGY
Animal: 87000881 Day of death: 140	Animal: 87000881 Sex: Male	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 3 Terminal body w	Dose level: Terminal body weight (kms):	0.52
Tissue	Tissue Finding, severity	¥	* * O L 9 >>	•	ervations >> Gross Free-Text Comments	0 0 7 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			٠
Tissue	Mecropsy memos		L 0 + X		<< reer of the section of the sectio	0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal	; ; ;	• • • • • • • • • • • • • • • • • • •			
Tissue	Tissue Mistopathologic dia	<pre></pre>	Special history	Aistopathologic diagnoses / Special histological comments red tissues normal.		

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV	F RESEARCH GP		Indi	vidual A Study	nimal Dat Number:	Individual Animal Data Dump Table Study Number: 87012M	ple.		•	PRINTED: 16-Apr-90 Page: 135
RAT/Sprague-Dawley	KANCISCO,	CA 74 129	,	S	tudy Sta	rt Date:	Study Start Date: 21-Jul-87				TERATOLOGY/
Animal: 87000887 Sex: Male	000887	Sex: Male Status: Monity	Sex: Male Status: NOFMAL, EUTHANIZED	1260	6 1 6 1 6 1	Group: 3	Group: 3 Termine!	erminel b	Terminal body weight (kms):	Dose level: eight (kms):	4.0 PPT/day 0.53
	Finding,	Finding, severity	* * O L G >>		о Ф	G 7 8 6 7 6 7 7 8 7 7 8 8 9 7 7	Observations >>> Gross Free-Text Comments	s >>			
WOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	•			•	600656660000000000000000000000000000000	; ; ; ; ; ;	• • • • • • • • • • • • • • • • • • •	• • • • •	0
Tissue		# O # O		e U	× × × × × × × × × × × × × × × × × × ×	1	** ** O E + X	A			
No necropsy memos recorded on animal	recorded	recorded on animal			*						
Tissue	Histopat	<< Nistopathologic diagnoses		l og	y ological	bser comments	* a t ÷ o	٠ د د			
All protocol required tissues normal.	lired tiss	red tissues normal.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	; ; ; ;	1 1 1 1 1 1	1 1 1 1 1 1	· ·	<i>,</i>			

LETTERNAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV (RESEARCH		Indi	Individual Animal Data Dump Table Study Number: 87012M	ble	PRINTE	PRINTED: 16-Apr-90 Page: 136
RAT/Sprague-Dawley	FKARCISCO, 1	CA 94129						TERATOLOGY/
Animal: 87000889 Sex: Male Day of death: 148	000889 3	Status	Sex: Male tus: MORMAL,	Sex: Male Status: WORMAL, EUTHANIZED	Group: 3	Dose tevel: Terminal body weight (kms):		4.0 PPT/day 0.62
Tissue Finding, severity	Finding, severity	everity		6		;	0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
LIVER	CONGESTED, Trace	† !	; ; ; ;	# \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	PALE VERTICAL AND LINEAR STREAKS	LINEAR STREAKS	* : : : : : : : : : : : : : : : : : : :	REAKS
Tissue	Necropsy memos	*****			Eecropsy Memos >>			
No necropsy sesos recorded on snissi	r recorded (recorded on animal		* * * * * * * * * * * * * * * * * * *		2 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 2 2 2 3 4 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Histopatho	Mistopathologic diagnoses	/ ************************************	atholog Special histo	Pathology Observations >> / Special histological comments	^ ^ 6 E		
All pretecol required tissues normal.	ifred tissue	es normel.		· · · · · · · · · · · · · · · · · · ·		* * * * * * * * * * * * * * * * * * * *		: : : : : :

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RAT/Sprague-Dawley	IAT/Sprague-Dawley		Study Start Date: 21-Jul-87	
Animal: 87000905 Day of death: 140	Animal: 87000905 Sex: Male Day of death: 140 Status: NORMAL, EUTHANIZED	Sex: Male Itus: Normal, Eu	Group: 3 Terminal body w	Dose tevel: 4.0 PPT/day sight (kms): 0.60
14 sec	Finding, severity	9 *	GTOSS ODSETVETTORS >>>	
	NO LESIONS RECOGNIZED			
Tissue	Mecropsy memos	¥	<< Mecropsy Megos >>	
No necropsy memos				
Tfssue	Mistopathologic diagnoses INFLANMATION, LYMPHOCYTIC	<pre><< P a t inoses / Sp CYTIC, Mil</pre>	A thology of the test of th	

LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP	PATH SERV G	RESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012M	IMP Table			•	PRINTED: 16-Apr-90 Page: 138	- 90
PRESIDIO OF SAM FRA RAT/Sprague-Dawley	RANCISCO, C.	A 94129		S	Study Start Date: 21-Jul-87	lut -87	,	:		TERATOLOGY/	/K90
Animal: 87000909 Sex: Male Day of death: 148 Status: NORM	60600	Sex:	Sex: Male tus: MORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 3	Terminal	Dose level: Terminal body weight (kms):	Dose level: ight (kms):	evel: Kms.):	4.0 PPT/day 0.60	
Tissue Finding, severity	Finding, severity	everity	¥	# O L G	•	Gross Free-Text Comments	;				
LIVER	CONGESTED, Trace	Trace		0 1 2 2 5 5 5 6 6 6 6 6 2 3 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	:	PALE STREAKS					
Tissue	Mecropsy memos	\$ 0 8 8			×	^	• • • • •		1 0 0 0 0		
No necropsy memos recorded on animal	recorded or	n animal								•	
Tissue	Mistepathologic diagnoses	logic dia	/ sesoul	special histo	Pathology Observations >> s / Special histological comments	t i o ii o ii s	^				
									† • • •	,	•

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP PRESIDIO OF SAM FRANCISCO, CA 94129 RAT/Sprague-Dawley	BTITUTE OF PATH SERV PAHCISCO,	RESEARCH GP CA 94129			ividual Animal Study Numk Study Start Da	Individual Animal Data Dump Table Study Number: 87012M Study Start Date: 21-Jul-87		-	PRINTED: 16-Apr-90 Page: 139 TERATOLOGY/
Animel: 87000917 Day of death: 148	10917	Sex: Status:	Sex: Male	Sex: Male Status: MORMAL, EUTHANIZED	Group: 3	•	body w	Dose level: sight (kms):	4.0 PPT/day 0.51
Tissue Finding, severity << G T O S S	Finding, severity	severity	¥	8 0 L G	9 q	Observations >> Gross Free-Text Comments	>> ents	1 4 9 9 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
LIVER	CONGESTED, Trace	, Trace		CONGESTED, Trace		PALE STREAKS	: : : : : :	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Mecropsy memos	Mecropsy memos			жесгоряу	X		1	
No necropsy memos recorded on animal	recorded	on animal							\$ 6 8 5 5 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue Mistopathologic dia	Mistopath Ted tissu	ologic diag	/ basou	special hist	y 0 b s tological comm	Mistopathologic diagnoses / Special histological comments red tissues normal.	^ *	• • • •	

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RAESIDIO OF SAM FRA RAT/Sprague-Dawley	KANC1 SCO.	CA 94129		in	Study Start Date: 21-Jul-87	:: 21-Jul-87				TERATOLOGY/
Animal: 87000919 Sex: Male Day of death: 148	00919	Sex	Sex: Male tus: NORMAL,	Sex: Male Status: MORMAL, EUTHANIZED	Group: 3		Terminal body weight (kms):	Dose level: weight (kms):	evel: kms):	4.0 PPT/day 0.59
Tissue Finding, severity	Finding,	Finding, severity	*	* * O L U	Observa Gross Fre	Observations >>> Gross Free-Text Comments	n s >> Comments			
LIVER	CONGESTED, Trace	CONGESTED, Trace	• • • • •	0 0 0 0 0 0 0 0 0	PALE	PALE STREAKS	0 1 1 1 1 1 1 1			
Tissue	Necropsy memos	Remos			x	** * O E + X	٨			
No necropsy memos recorded on animal	recorded on an	on animal								
Tissue	Mistopath Inflammal	Mistopathologic diagnoses	<pre></pre>	<pre>*/ */ */ */ */ */ */ */ */ */ */ */ */ *</pre>	Pathology Observations >> Special histological comments;, Mild, Multifocal.	r v a t i o	, s c o i			

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV	F RESEARCH GP		C I	dividu S1	Individual Animal Data Dump Table Study Number: 87012M	1te Dump 1 87012H	.apte			•	PRINTED: 16-Apr-90 Page: 141	6-Apr-90 41
RAT/Sprague-Dawley	KARCISCO,	CA 74 129			Study	Study Start Date: 21-Jul-87	21-Jul-8	21				1	TERATOLOGY/
Animal: 87000929 Sex: Male Day of death: 134 Status: NORM	100929	Status	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	• • •	Group: 3		Terminal body weight (kms):	body w	Dose level: y weight (kms):		4.0 PPT/day 0.60	PPT/day
Tissue Finding, severity	Finding,	Finding, severity	٧	8 8 0 1 9 >>	! ! ! !	Observations >>> Gross Free-Text Comment	S e T v a t i o n s >> Gross Free-Text Comments	Comments	:	: : :	5		
WHOLE BODY	NO LESION	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		:		: : : :	•	
Tissue	Hecropsy memos	Benos		* X e C T O D s Y	٠ م	, H	X	^					
No necropsy memos recorded on animal	recorded on	on animal	• • • • •	• • • • • •	· • • • •		T	•	• • • •		; ; ; ;	• • • • •	• • • • •
	Histopath	************************************	/ \$ \$ 0 V	Special his	g y stologi	Pathology Observations >> Special histological comments	- + + + + + + + + + + + + + + + + + + +	° • • • • • • • • • • • • • • • • • • •	^				
PROSTATE	INFLANNAT	INFLAMMATION, LYMPNOCYTIC, Mild, Multifocal.	ocyric, p	iild, Multi	focal.	[tifocal.	; ; ; ;		• • • •) ; ; ;		t 1 1 1 1 1	

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RAT/Spregue-Dawley	TANACISCO,	CA 74 IE7		TERATOLOGY/
Animal: 87000943 Sex: Male Day of death: 141 Status: MORMAL	7000943 :1	Sex: Male Status: NORMAL	Group: 3 Dose [evel: 4.0 PPT/day Terminal body weight (kms): 0.54	4.0 PPT/day 0.54
Tissue	Finding,	Finding, severity	•	
WHOLE BODY		NO LESIONS RECOGNIZED	4	#
Tasue Mecropsy memos	Mecropsy memos	Mecropsy memos	<< mecropsy memos >>	
NO DECLORED MEMO				

Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESENTION OF SAN FRANCISCO, CA 94120	PATH SERV	F RESEARCH GP CA 04120		Indi	Individual Animal Data Dump Table Study Number: 87012M	ata Dump Table : 87012M		PRINTED: 16-Apr-90 Page: 143
RAT/Spregue-Dewley	,			Ğ	Study Start Date: 21-Jul-87	: 21-Jul-87		TERATOLOGY
Animal: 87000965 Day of death: 134	300965	Status:	Sex: Male atus: Mormal,	Sex: Male Status: Mormal, EUTHANIZED	Group: 3	Terminal	Dose Level: Terminal body weight (kms):	Animel: 87000965 Sex: Male Group: 3 Terminal body weight (kms): 0.60 PPT/day
Tissue	Finding,	Finding, severity	*	8 8 0 L 9	0 b s e r v	Observations >> Gross Free-Text Comments		
WIOLE BODY	NO LESION	NO LESIONS RECOGNIZED		NO LESIONS RECOGNIZED			9	

^ N O E O K Hecropsy Tissue Hecropsy memos
No necropsy memos recorded on animal ¥

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Tissue Mistopathologic diagnoses / Special histological comments
All protocol required tissues normal.

LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SER	OF RESEARCH	ipul	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: Page:	PRINTED: 16-Apr-90 Page: 144
PRESIDIO OF SAM FRA RAT/Sprague-Dawley	FRANCISCO Ley	D, CA 94129		Study Start Date: 21-Jul-87		TERATOLOGY/
Anims1: 8700967 Day of death: 140	7000967 0	Animal: 87000967 Sex: Male Day of death: 140 Status: HORHAL		Group: 3 Terminal body weight (kms):	4.0 PPT/day 0.60	4.0 PPT/day 0.60
Tissue	Finding	Tissue Finding, severity	* * O L G V)	 	
WHOLE BODY	NO LEST	NO LESIONS RECOGNIZED	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue		Mecropsy memos	> a d o L o e z >>			
No necropsy memos recorded on animal	s recorde	ed on animal				
Tissue Mistepathelogic dia	Histopa quired tis	Mistepathelogic diagnoses ired tissues normal.	Patholog / Special histo	athology Observations >> / Special histological comments		

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LETTERNAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP	STITUTE OF PATH SERV (RESEARCH	ipu!	Individual Animal Data Dump Table Study Number: 87012M	ata Dump Table : 67012M			PRINTED: 16-Apr-90 Page: 145
RAT/Spregue-Dawley	KARC1860,	47 14 V	51	Study Start Date: 21-Jul-87				TERATOLOGY/
Animal: 87000973 Sex: Male Day of death: 149 Status: NORMAL	00973	Status: Normal	Sex: Male Status: Mornal, EUTMAMIZED		Group: 3 Terminal	Terminal body weight (kms):	Dose level: right (kms):	4.0 PPT/day 0.58
Tissue	Finding, severity	severity	8 8 0 L G	9	O b s e r v a t i o n s >> Gross Free-Text Comments			
WOLE BODY	NO LESION	NO LESIONS RECOGNIZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		- b - c - c - c - c - c - c - c - c - c	7 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Tissue	Necropsy memos	Necropsy memos	>> x	H > 0	Z			
No necropsy memos recorded on animal	recorded	on enimet				2 6 6 7 7 8 9 9 9		
Tissue Mistopathologic dia Ali protocol required tissues normal.	Mistopatho	991	special hist	y 0 bs e ological commen	Pathology Observations / Special histological comments	*		athology Observations >> / Special histological comments

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV &P	STITUTE OF PATH SERV	F RESEARCH		ivibn1	Individual Animel Data Dump Table Study Number: 87012M	Table	a .	PRINTED: 16-Apr-90 Page: 146
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	RANCISCO,	CA 94129		Sti	Study Start Date: 21-Jul-87	87		TERATOLOGY/
Animal: 87000321 Sex: Male Day of death: 99 Status: NORMA	100321	Status:	Sex: Male tus: WORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	evel: Kas):	12.7 PPT/day 0.47
Tissue Finding, severity	Finding,	Finding, severity	*	8 4 0 L g	O b s e r < a t i o n s >>> Gross Free-Text Comments			
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	E0	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 p c 4 0 p p 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Tissue		n n n		× × × × × × × × × × × × × × × × × × ×		*	1	
No necropsy memos recorded on animal	recorded	recorded on animal		• • • • • • • • • • • • • • • • • • •	0			
Tissue	Histopat	helogic diag	<< P 4 spinoses /	stholog Special histo	A Pathologic diagnoses / Special histological comments	Pathology Observations >> / Special histological comments		3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DITHITARY GLAND	Decine a	Required protocol tissue is missing.	issue is	missing				

LETTERNAN ARNY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Individual Animal Data Dump Table Study Number: 87012H	•	PRINTED: 16-Apr-90 Page: 147
RAT/Sprague-Dauley	KANCISCO, CA 94129				TERATOLOGY/
Animal: 8700327 Day of death: 99		Sex: Male	Group: 4 Ter		Dose level: 12.7 PPT/day
Tissue	Finding, severity	¥	9	,	
WHOLE BODY	NO LESIONS RECOGNIZED	:			
Tissue No necropsy memos	Tissue Mecropsy memos No necropsy memos recorded on animal		<< Recropsy Regos >>		

Mistopathologic diagnoses / Special histological comments
Required protocol tissue is missing.

DEGENERATION, SEMINIFEROUS TUBULES, Slight, Multifocal.

PITUITARY GLAND

INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

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PRESIDIO OF SAN FRA RAT/Sprague-Dauley	RANCISCO, .	CA 94129		ø		25		TERATOLOGY/	/A50
Animal: 87000334 Sex: Male	00334	Status	Sex: Male tus: NORMAL,	Sex: Male Status: WORMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	Dose level: sight (kms):	12.7 0.56	
•	Finding, severity	severity	*	.	Gross Free-Text				
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
Tissue	Kecropsy memos		1	- X	<< Reclobsy Remos >>	^			
No necropsy memos recorded on animal	recorded on anim	on animal	ا ا						
Tissue	Kistopath:	Kistopathologic diagnoses / Special Required protocol tissue is missing.	doses /	Special hist	Pathology Observations // Special histological comments is missing.	^^ * C		i o n * >>	

INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

Miscellaneous. INFLANMATION, LYMPNOCYTIC, Slight, Focal.

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PRESIDIO OF SAM FR/ RAT/Spregue-Dawley	RANCISCO,	. CA 94129		w	tudy Start Da	Study Start Date: 21-Jul-87		:	TERATOLOGY
Animal: 87000335 Sex: Male Day of death: 93 Status: NORMA	00335	Sex: Status:		Sex: Male Status: MORMAL, EUTHANIZED	Group: 4	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	pody *	Dose Level: Weight (Kms):	Dose level: 12.7 PPT/day eight (kms): 0.40
Tissue Finding, severity	Finding,	Finding, severity	. V	8 8 0 L G	•	Observations >>> Gross Free-Text Comments		4	
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED		0 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
Tissue		**************************************			X	< REFT V800138X >>			2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	recorded	recorded on animal	• • • • •	7 8 9 9 9 9 8 8 8 8 8					
Tissue	Kistopat	Mistopathologic diagnoses	/ \$9\$0UB	atholog Special hist	y 0 bs	Pathology Observations >> s/Special histological comments	^	6 1 1 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
EPIDIOYMUS	INFLAMMA	INFLAMMATION, GRANULOMATO	LONATOUS	INFLAMMATION, GRANULOMATOUS, Moderate, Focal.	ocal.				

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LETTERNAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV	RESEARCH	-	Individual Animal Data Dump Table Study Number: 87012M	Data Dump Table er: 87012M		_	PRINTED: 16-Apr-90 Page: 150
PRESIDIO OF SAN FR/ RAT/Sprague-Dawley	RANCISCO,	CA 94129		Study Start Date: 21-Jul-87	te: 21-Jul-87			TERATOLOGY
Animal: 87000337 Sex: Male	00337	Sex: Male Status: NORMA	Sex: Male Status: NORMAL, EUTHANIZED		Group: 4 Terminal body		Dose level: ight (kms):	(kms): 0.50 (kms)
<pre>c G r o s s Tissue Finding, severity</pre>	Finding, severity	severity	* * 0 L 9 >>		Observations >>			
WHOLE BODY	NO LESION	NO LESIONS RECOGNIZED	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;			,		
Tissue	Mecropsy memos	**************************************		M Y S d O L D S M >>	<< Reclossy Regos >>	4 4 4 4 3 0 0	• • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	recorded	recorded on animal						
Tissue EPIDIDYMUS	Nistopath INFLAMMAT	Aistopathologic diagnoses INFLAMMATION, LYMPHOCYTIC	Pathology ses / Special histologic TIC, Slight, Multifocal.	istological comme	Pathology Observations >> s/Special histological comments c, Slight, Multifocal.) () () ()	

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LETTERNAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP PRESIDIO OF SAM FRANCISCO, CA 94129	STITUTE OF PATH SERV (RANCISCO. (RESEARCH GP CA 94129		Indi	Individual Animal Data Dump Table Study Number: 87012M	Mp Table		C.	PRINTED: 16-Apr-90 Page: 151
RAT/Spregue-Dewley	*			7	Study Start Date: 21-Jul-87	ul-87			TERATOLOGY/
Animal: 87000340 Sex: Male Day of death: 93 Status: MORMA	00340	Sex:	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 4 Terminal	ָ בּ	Dose ody weight	Dose level: reight (kms):	12.7 PPT/day 0.47
Tissue Finding, severity	Finding, severity	severity	¥	8 8 0 L 9	. *	ons >> ext Comments			ervations >> Gross Free-Text Comments
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
Tissue	Hecropsy memos	\$ OB 4		0 # # *	<< reersonsy memors >>	^	0 0 0 0 0 0	6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	recorded	on animal							
Tissue PITUITARY GLAND	Mistopath	Aistopathologic diagnoses	gnoses /	Special hist	Pathology Observations >> Special histological comments INTERMEDIA PRESENT RECUT DONE				t i o n \$ >>

INFLANMATION, GRANULOMATOUS, Moderate, Focal.

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LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATN SERV GP	STITUTE OF 1	RESEARCH	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 16-Apr-90 Page: 152
PRESIDIO OF SAW FRANCISCO, CA 94129 RAT/Spregue-Dawley	RANCISCO, C.	A 94129	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000343 Sex: Male Day of death: 93 Status: MORMA	00343	Sex: Male Status: NORMAL,	Group: 4 Terminal body weight (kms):	12.7 PPT/day 0.54
Tíssue	Finding, severity	×	Observations >> Gross Free-Text Comments	
UNOLE BODY	NO LESIONS RECOGNIZ	ED		
Tissue	Mecropsy memos			
No necropsy memos recorded on animal	recorded on anim	n animal		
Tissue	Mistopatho INFLAMMATI	Mistopathologic diagnoses / INFLAMMATION, LYMPHOCYTIC,	<pre>A/s topathologic diagnoses / Special histological comments INFLAMMATION, LYMPNOCYTIC, Slight, Focal.</pre>	

			dv	SENGIX)	(Conc.):	Appendix o (cont.): PATHOLOGY			
LETTERMAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP BESENTION OF SAM SEAMICECT CA 07430	PATH SERV	F RESEARCH			indivi	Individual Animal Data Dump Table Study Number: 87012M	ita Dump Table 87012M			PRINTED: 16-Apr-90 Page: 153
RAT/Sprague-Dawley	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CA 74 ICY			Stu	Study Start Date: 21-Jul-87	21-Jul-87	,		TERATOLOGY/
Animal: 87000344 Sex: Male Day of death: 93 Status: MORMA	00344	Status:	Sex: Male	Sex: Male Status: MORMAL, EUTHANIZED	۵	Group: 4	Termine	body we	Dose level: ight (kms):	12.7 PPT/day 0.51
Tissue	Finding,	Finding, severity	¥	* O L U		Observ Gross F	Observations >> Gross Free-Text Comments		6 1 2 4 4 4 4	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
WHOLE BODY	NO LESTOR	NO LESIONS RECOGNIZED		*				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	9 9 9 9 9 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9
Tissue	Necropsy memos	***************************************		** N e c r o p * y	n r 0	ж х ж ф	X 80 E 9 X			
No necropsy memos recorded on animal	recorded	recorded on animal				0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	• • • • • • • • • • • • • • • • • • •	: : : :	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	Histopati	**************************************	onoses /	special h	og y istol	ogical comment	Pathology Observations >> / Special histological comments	*		
PROSTATE	INFLARMAL	INFLAMMATION, ACUTE, Slight, Focal.	, Slight,	Focat.	! ! !	* * * * * * * * * * * * * * * * * * *		· · · · · · · · · · · · · · · · · · ·		

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RAT/Sprague-Dauley	KARCISCO, CA 94129 By		St	Study Start Date: 21-Jul-87	87		TERATOLOGY/
Animal: 8700345 Day of death: 93	00345	Male NORMAL,	Sex: Male Status: MORMAL, EUTHANIZED	. Group: 4 Dose level: 12.7 PPT/day	Dose Level: Terminal body weight (kms):	Dose level: .eight (kms):	Dose level: 12.7 PPT/day minal body weight (kms): 0.43
Tissue	Tissue Finding, severity	¥	\$ \$ 0 L 9 >>	Observations >>> Gross Free-Text Comments	n s >> Comments		
WHOLE BODY	NO LESIONS RECOGNIZED	:	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
Tissue	Mecropsy memos		× Mecrobsy	< Recropsy Remos >>	^	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 8 8 8 8 9 8 9 8 9
No necropsy memos							

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Aistopathologic diagnoses / Special histological comments
IMFLAMMATIOM, LYMPNOCYTIC, Slight, Focal.

Tissue

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Appendix

LETTERMAN ARMY INSTITUTE OF RESEARCH Individual Animal Data Dump Table Page: 15-70-700 Study Number: 87012M Study Number: 87012M PAIN SERV GP Page: 155 PRATOLOGY/ PAT/Sprague-Dawley Study Start Date: 21-Jul-87 TERATOLOGY/ Animal: 8700352 Sex: Male Group: 4 Terminal body Weight (kms): 0.58 Animal: 87000352 Sex: Male Group: 4 Terminal body Weight (kms): 0.58 Tissue Finding, severity Gross Free-Text Comments WHOLE BODY NO LESIONS RECOGNIZED Animal: 87000352 Sex: Male Gross Free-Text Comments Animal: 8700352 Sex: Male Gross Free-Text Comments Whole Body Mercopsy memos recorded on animal				444	מוחדא ס	Premara o (conc.): Farnonce	CHORINA	19		
Study Start Date: 21-Jul-87 Rate Group: 4 Terminal body Weight (kms): 0.58 CG Coss O bservations >> Gross Free-Text Comments ZED CM Well of ST	LETTERMAN ARMY IN DIV OF RES SUPP,	PATH SERV	RESEARCH GP		Vibul	idual Animal Da Study Number:	sta Dümp Tabl 87012M	•		PRINTED: 16-Apr-90 Page: 155
: Male : MORMAL, EUTHANIZED Group: 4 Terminal body weight (kms): 0.55 << Gross Free-Text Comments ZED << Meeropsy Memos>>	MAI/Sprague-Daule	TKARCISCO,	CA 74 129		St	×	21-Jul-87			
<pre><< Gross Free Text Comments ZED </pre> <pre><< Recropsy Reson >>></pre>	Animal: 875 Day of death: 99	00352	Status		EUTHANIZED			rminel body	Dose Leve Weight (kms	
ZED << Necropsy Memos >>	Tissue	Finding,	severity	*	* * O L U	•	ations ree-Text Con	>> Ments		
<< Recropsy Regos >>	WAOLE BODY	NO LESION	S RECOGNIZE					• • • • • • •		
	Tissue	Mecropsy	memos on animal		Z • C Z	# % s d o	AA 80 E			

Astopathologic diagnoses / Special histological comments
Required protocol tissue is missing.

INFLAMMATION, LYMPHOCYTIC, Slight, Focal. INFLAMMATION, GRANULOMATOUS, Moderate, Focal.

PITUITARY GLAND

EPIDIDYMUS

LETTERNAN ARNY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	F RESEARCH GP		Indiv	Individual Animal Data Dump Table Study Number: 87012M	Table			PRINTED: 16-Apr-90 Page: 156
RAT/Sprague-Dawley	KAMC1800,	CA 94 129		St	Study Start Date: 21-Jul-87	-87	1		TERATOLOGY/
Animal: 87000357 Day of death: 99	00357	SST Status: NORM	Sex: Male tus: NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	Dose Y weight	Dose level: sight (kms):	12.7 PPT/day 0.51
Tissue Finding, severity	Finding,	Finding, severity	*	8 0 L 9	G b s e r v a t i o n s >> Gross Free-Text Comments	n s >> t Comments			
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	E	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	•		000000000000000000000000000000000000000
Tissue	Mecropsy memos	nenos		>>	I	^			<
No necropsy memos recorded on animal	recorded on anim	on animal							
Tissue EPIDIDYNUS	Mistopati INFLAMMA	Mistopathologic diagnoses	A	/ Special histo	Pathology Observations >> ./Special histological comments :, Slight, Focal.	A			

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PAIN SERV GP PRESENTED OF SAN ERANCYCO CA 04:20	PATH SERV	F RESEARCH GP CA 94129		Indivi	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M		•	PRINTED: 16-Apr-90 Page: 157
RAT/Spregue-Deuley	A	24 15		Stu	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 8700360 Day of death: 93		00360 Status: NORMA	Sex: Male	Sex: Male Status: MORMAL, EUTHANIZED	Group: 4			Dose level: sight (kms):	12.7 PPT/day 0.52
Tissue	Finding,	Finding, severity	*	* * 0 L 9 >1		Observations >> Gross Free-Text Comments			
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	•	3 4 3 3 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		6 9 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 C C C C C C C C C C C C C C C C C C C		
Tissue	Mecropsy memos			<< Necropsy	» X	** ** ** ** ** ** ** ** ** ** ** ** **			
No necropsy memos recorded on animal	1 recorded	recorded on animal	1 1 1 1 1 1	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 A D 0 J 0 D B B B B B B B B B B B B B B B B B B	60053334666346		
an es	Mistopath	nologic dia	onoses /	special histold	ogical comment:	Aistopathologic diagnoses / Special histological comments	*		Aistopathologic diagnoses / Special histological comments
PITUITARY GLAND	/ONLY PAR	S DISTALIS	AND PAR	/ONLY PARS DISTALIS AND PARS INTERMEDIA PRESENT RECUT DONE	ESENT RECUT DO	9			

INFLAMMATION, SUBACUTE, Slight, Multifocal.

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LETTERMAN ARNY INS DIV OF RES SUPP, F	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animal Data Dump Table Study Number: 870128	Teble		•	Page:	PRINTED: 16-Apr-90 Page: 158
PRESIDIO OF SAN FRA RAT/Spregue-Dauley	RANCISCO, CA 94129 Y		ž	21	.87	1			TERATOLOGY/
Animal: 87000363 Day of death: 93	Animal: 87000363 Sex: Male	Sex: Male Itus: NORMAL,	:	Group: 4 Terminal body weight (kms):	Dose level: Terminal body weight (kms):	Dose weight	Dose level: ight (kms):	12.7	12.7 PPT/day 0.51
Tissue	/< G r o s rissue Finding, severity	¥		Observations >> Gross Free-Text Comments	n s >> Comments		9 9		
WHOLE BODY	NO LESIONS RECOGNIZED	! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Tissue	Mecropsy memos		X	<		1 1 1 1 1			
No necropsy memos	No necropsy memos recorded on animal								
Tissue TESTIS	Mistopathologic diagnoses / Special histological commen DEGENERATION, SEMINIFEROUS TUBULES, Slight, Multifocal.	<pre><< P inoses / inoses / iferous </pre>	Special histo	>	*		0 0 0 0 0	0 9 0 0 1 1	

		₩	Appendix O (Cont.): PATHOLOGY	
DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	_	Individual Animal Data Dump Table Study Number: 87012H	PRINTED: 16-Apr-90 Page: 159
PRESIDIO OF SAM FRA RAT/Spregue-Dewley	RANCISCO, CA 94129 Y			TERATOLOGY/
Animal: 87000372 Day of death: 99	Animal: 87000372 Sex: Mala of death: 99 Status: NORM	Sex: Male tus: NORMAL,	Group: 4 Dose Level:	
Tissue	Tissue Finding, severity		0 8	
WHOLE BODY	NO LESIONS RECOGNIZED	:		
Tissue	Necropsy memos		<< reerops y mesos >>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal	•		
	Nistopathologic diagnose	A >>	Pathology Observations >> es / Special histological comments	
TESTIS	DEGEMENTATION SENIMIFERO	MIFFEDUS	W. TUBULES, Slight, Multifocal,	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV	. RESEARCH GP	•	Indiv	Individual Animal Data Dump Table Study Number: 87012M	ump Table 12M		PRINTED: 16-Apr-90 Page: 160
PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	RANCISCO, Y	CA 94129		35	Study Start Date: 21-Jul-87	Jul-87		TERATOLOGY/
Animal: 8700382 Sex: Male Day of death: 106 Status: NORP	00382	Status: NORM	Male NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	group: 4		Dose level: Terminal body weight (kms):	12.7 PPT/day 0.57
Tissue	Finding,	Finding, severity) 	8	, v	Gross Free-Text Comment		
WHOLE BODY	NO LESION	NO LESIONS RECOGNIZED	:					
Tissue		# # # # # # # # # # # # # # # # # # #		× × × × × × × × × × × × × × × × × × ×		^ •		
No necropsy memos recorded on animal	recorded	recorded on animal	, , , , ,	• • • • • • •) }	
Tissue	Histopath Inflammat	Histopathologic diagnose INFLAMMATION, LYMPHOCYTI	<pre></pre>	Pathology Special histologic	Histopathologic diagnoses / Special histological comments INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.		· · · · · · · · · · · · · · · · · · ·	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	PATH SERV	RESEARCH		Indiv	Individual Animal Data Dump Table Study Number: 87012M	mp Table 2M		PRINTED: 16-Apr-90 Page: 161
PRESIDIO OF SAM FRANCISCO, CA VAICA RAT/Spregue-Dawley	FKANCISCU, PY	CA 74167		Š	Study Start Date: 21-Jul-87	ul-87		TERATOLOGY/
Animal: 87000383 Sex: Male Day of death: 99 Status: NORM	000383	Status: NOR		Sex: Nale Status: NORMAL, EUTHANIZED	Group: 4 Terminal	Terminal	Dose level: 12.7 PPT/day Terminal body weight (kms): 0.59	12.7 PPT/day 0.59
Tissue Finding, severity	Finding, severity	severity	¥	* * 0 L 5 >>	Observations >>> Gross Free-Text Comment	Gross Free-Text Comments	Observations >> Gross Free-Text Comments	
WHOLE SODY	NO LESION	NO LESIONS RECOGNIZED						6 6 9 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Necropsy memos	* O		** X & C T O D & Y		^		
No necrobsy memos recorded on animal	recorded	recorded on animal		! ! ! ! !	· · · · · · · · · · · · · · · · · · ·	t t t t t	**************************************	• • • • • • • • • • • • • • • • • • • •

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Mistopathologic diagnoses / Special histological comments
Required protocol tissue is missing.

Tissue

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DEGINERATION, SEMINIFEROUS TUBULES, Mild, Multifocal.

LETTERNAN ARMY INS	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Ar Study	Individual Animal Data Dump Table Study Number: 87012H		<u>.</u>	PRINTED: 16-Apr-90 Page: 162
PRESIDIO OF SAN FRA RAT/Sprague-Dauley	KANCISCO, CA 94129 Y	Study Star	Study Start Date: 21-Jul-87	,		TERATOLOGY/
Animal: 87000385 Day of death: 99	Animal: 87000385 Sex: Male		Group: 4 Termina	Dose level: Terminal body weight (kms):	6 < 6	12.7 PPT/day 0.51
	V		Observations >>>			
WOLE BOOY	NO LESIONS RECOGNIZED		* * * * * * * * * * * * * * * * * * * *			
Tissue	,	× 0.0 c 0 e m	** ** ** ** ** ** ** ** ** ** ** ** **			
No necropsy memos	No necropsy memos recorded on animal					
Tissue	Afstopathologic diagnoses / Special histological comments Required protocol tissue is missing.	Pathology O / Special histological is missing.	ogy Observations >> histological comments	*		

INFLANMATION, LYMPHOCYTIC, Slight, Multifocal.

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LETTERMAN ARMY INC	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012M	-	PRINTED: 16-Apr-90 Page: 163
RESIDIO OF SAM PRA RAT/Sprague-Dawley	KARCISCO, CA 94129 Y	Study S		TERATOLOGY/
Animal: 8700387 Day of death: 99	Animal: 87000387 Sex: Male	Group: 4 Termine!	Dose (evel: leight (kms):	12.7 PPT/day 0.40
Tissue	<pre>finding, severity </pre>	C b s e 7 v a t i o n s >> Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED		· • • • • • • • • • • • • • • • • • • •	
Tissue		<< RECTODS Y REBOS >>		
No necropsy memos	No necropsy memos recorded on animal			
Tissue TESTIS	Mistopathologic diagnoses	Mistopathologic diagnoses / Special histological comments DEGENERATION, SEMINIFEROUS TUBULES, Slight, Focal.		

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LETTERMAN ARMY IN: DIV OF RES SUPP, I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATM SERV GP		Individual Animal Data Dump Table Study Number: 87012M	Data Dump Table r: 87012M	PRINTED: 16-Apr-90 Page: 164
PRESIDIO OF SAW FRA	PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley		Study Start Date: 21-Jul-87	e: 21-Jul-87	TERATOLOGY/
Animal: 87000388 Day of death: 99	Animal: 87000388 Sex: Male Day of death: 99 Status: NORMA	Sex: Male tus: NORMAL,		Group: 4 Terminal body weight (kms):	12.7
Tissue	tissue Finding, severity	×	s q 0		0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	!			
Tissue	Mecropsy memos	1		;	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal				-
Tissue	<< Nistopathologic diagnoses		Pathology Observations F/Special histological comments	Pathology Observations >> / Special histological comments	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PROSTATE	INFLAMMATION, LYMPHOCYTIC		INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.		

PRESIDIO OF SAN FAMISEO, CA 94129 RAT/Sprague-bawley RAT/Sprague-bawley Animal: 8700393 Sex: Male Day of death: 97 Status: NORMAL, EUTHANIZED Tissue No LESIONS RECOGNIZED A Ne C r o B y W e m o B >> Tissue No necropsy memos No necropsy memos No necropsy memos No necropsy memos recorded on animal A P P H o l o g y O b s e r v a t i o n B >> Tissue No necropsy memos recorded on animal A P P H o l o g y O b s e r v a t i o n B >> Tissue No necropsy memos recorded on animal A P P H o l o g y O b s e r v a t i o n B >> Tissue Nistopathologic diagnoses / Special histological comments	LETTERMAN ARMY INSTITUTE OF RESEARCH	NSTITUTE OF R	ESEARCH) 	Individu	al Animat	Data Dump T	able		PRINTED: 16-Apr-90
Male MORMAL, EUTHANIZED Group: 4 Terminal body weight (kms): A Gross Free-Text Comments ZED A Necropsy Memos >> A pathological comments agnoses / Special histological comments	PRESIDIO OF SAN :	FRANCISCO, CA By	94129		Study	Start Dat	r: 8/01cm e: 21-Jul-8	~		TERATOLOGY,
<pre> <- Gross Free-Text Comments ZED <- N e c r o p s y N e m o s >> </pre>	Animal: 871 Day of death: 99	000393	Status:	Male Normal,	:	Group:	***	Terminal	Dose level: body weight (kms):	12.7 PPT/day 0.54
2ED	Tissue	Finding, se	verity	¥		0 b s e r Gross	vation Free-Text	Somments	6 5 2 9 6 8 8 8 9 6 8 8 8 9 6 8 8 8 8 8 8 8 8	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
<pre><< Necropsy Memos >> </pre> <pre><< Pathology Observations >> agnoses / Special histological comments</pre>	WHOLE BODY	NO LESIONS	RECOGNIZ	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		; ; ; ; ; ; ;	• • • • • • •	• • • • • • • • • • • • • • • • • • •	
<pre><< Pathology 0bservations >> agnoses / Special histological comments</pre>	Tissue		# O		X × × O	× .	60 E	*		
Aistopathologic diagnoses / Special histological comments	No necropsy memos	s recorded on	animal	! ! !	6 6 6 6 6 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9	; ; ; ; ; ; ;				
	Tissue	Histopathol	ogic dia	/	athology Special histolog	obse ical comme	r v a t i nts			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

LETTERMAN ARMY IN: DIV OF RES SUPP, I	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP	_	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 16-Apr-90 Page: 166
RAT/Sprague-Dawley	KANCISCO, CA 94129 Y		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000400 Day of death: 106	00400	Sex: Male tus: NORMAL,	Group: 4	12.7 PPT/day 0.50
Tissue		¥	<pre>coss Observations >> Gross Free-Text Compents</pre>	
WHOLE BODY	NO LESIONS RECOGNIZED	ZED		9 5 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Necropsy memos			
No necropsy memos	No necropsy memos recorded on animal			0 0 0 0 0 0 0 0 0 0 0
Tissue	Histopathologic di	<pre> << p sanoses /</pre>	A pathologic diagnoses / Special histological comments	;
	DEGENERATION, SEMINIFEROU NYPERPLASIA, INTERSTITIAL	MIFEROUS	DEGENERATION, SEMIMIFEROUS TUBULES, Severe, Diffuse. Nyperplasia, interstitial cell, Mild, Diffuse.	
EPIDIOYMUS	DECREASED SPERMATOZOA, Marked, Diffuse.	ZOA, Mark	ed, Diffuse.	

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF	RESEARCH P	Ind	Individual Animal Data Dump Table Study Number: 87012M	ata Dump Table : 87012M		PRINTED: 16-Apr-90 Page: 167
RAT/Sprague-Dawley	KANCISCO, C.	A 74129		Study Start Date: 21-Jul-87	: 21-Jul-87		TERATOLOGY/
Animal: 87000402 Sex: Male Day of death: 99 Status: NORM	00402	Sex: Male Status: NORMAL, EUTHANIZED	EUTHANIZED	Group: 4	Group: 4 Terminal body weight (kms):	Dose level: deight (kms):	12.7 PPT/day 0.49
Tissue Finding, severity	Finding, severity	everity <<	* * O L G	O b s e r v			
WHOLE BODY	NO LESIONS RECOGNIZ	ZED	• • • • • • • • • • • • • • • • • • •		5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Tissue			* Necrobs Y	. Y & Q O !	^^ # O E # E		
No necropsy memos recorded on animal	recorded on ani	† - - - - - - -	* * * * * * * * * * * * * * * * * * *	• 6 e e e e e e e e e e e e e e e e e e			
Tissue	Nistopatho	۰	atholo Specialhis	Pathology Observations s/special histological comments	7 < a t ii o j s >> 18		
All brotocol required tissues normal.	ired tissue	• • • •	•	7 6 7 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		6 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	

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PRESIDIO OF SAN FRANCISCO, CA 94129 RAI/Sprague-Dawley	RANCISCO, CÁ	94129		S	Study Start Date: 21-Jul-87	-87			TERATOLOGY/
Animal: 87000403 Sex: Male Day of death: 99 Status: NORMAN	100403	Sex: Male Status: NORMAL		, EUTHANIZED	Group: 4 Terminal body w	Terminal		Dose level:	12.7 PPT/day 0.48
tissue Finding, severity	Finding, severity	verity		W	r N	n s >>	8 9 9 9 9		Gross Free-fext Comments
WHOLE BODY	NO LESIONS RECOGNIZED	RECOGNIZED							
;				<< Necropsy	opsy Memos >>	^			
Tissue Recropsy Region 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Mecropsy memos	mos anims			6 6 7 6 6 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8	# # # # # # # # # # # # # # # # # # #	0 0 0 0 0 0 1		0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue	4 Histopathologic diagnoses	ogic diagr	<< P.4 noses /	special hist	sathology Observations /special histological comments	¥	^	0 0 0 0 0	t i o n s >>
TESTIS	DEGENERATION, SEMINIFEROUS	N, SEMINI		rubules, stigl	TUBULES, Slight, Multifocal.				
EPIDIDÝMUS	INFLANMATIO	H, GRANUL	OMATOUS,	INFLAMMATION, GRANULOMATOUS, Mild, Multifocal.	focal.				

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	P, PATH SERV	F RESEARCH GP		Indi	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M		PRINTED: 16-Apr-90 Page: 169
RAT/Sprague-Dawley	W FKANCISCO, Wley	CA 94 129		S	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 871 Day of death: 99	Animal: 87500404 death: 99	Sex: Mal	Male. Normal,	7500404 Sex: Male. 9 Status: NORMAL, EUTHANIZED	Group: 4		Dose level: Terminal body weight (kms):	12.7 PPT/day. 0.58
Tissue	Finding,	Finding, severity	¥	* ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	Observ Gross F	Observations >>> Observations	-	
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED	9	3		0 5 5 5 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		***************************************
Tissue		# C# O#				AA 80 E 9 X		
No necropsy memos recorded on animal	mos recorded	recorded on animal	• • • • •	1 1 1 1 1 0 0 0 0 0 0				
Tissue		nologic diag	<< P	atholog Special hist	A Pathologic diagnoses / Special histological comments	< a t i o n s	*	
All protocol required tissues normal.	equired tissu	red tissues normal.	•		0 2 0 3 3 3 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 3 5 6 6 7 7 7 7 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9		0 0 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OPATH SERV	JE RESEARCH			Indivi	Individual Animal Data Dump Table Study Number: 87012M	a Dump Table 87012M		PRINTED: 16-Apr-90 Page: 170
RAT/Sprague-Dawley	KANCI SCU,	ARCISCO, CA 94129			Stı	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY
Animal: 87000815 Day of death: 137		0815 Status: NORMAL		, EUTHANIZED	.	Group: 4	Dose tevel: Terminal body weight (kms):	Dose tevet: leight (kms):	12.7 PPT/day 0.49
)		Finding, severity	×	* * 0 _ 5	•	•	1		
WHOLE BODY	NO LESIG	NO LESIONS RECOGNIZED		0	; ; ;		***************************	•	000000000000000000000000000000000000000
Tissue	Necropsy memos				r r	# X & C O L U # X	^^ us o & us		
No necropsy memos recorded on animal	recorded	recorded on animal		: : : : :		6 2 5 5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5			8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Tissue	Kistopat	Mistopathologic diagnoses	Δ.	Special I	istol	ogical comments	Pathology Observations >> / Special histological comments		
PROSTATE	INFLANNA	INFLAMMATION, LYMPHOCYTIC,		Slight, Multifocal.	ultifo	cal.			

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE O PATH SERV	F RESEARCH GP		Individual Animal Data Dump Table Study Number: 87012M	Individual Animal Data Dump Table Study Number: 87012M	Dump Table 012M		PRINTED: 16-Apr-90 Page: 171
RAT/Spregue-Dawley	**************************************	CA 94129		Š	Study Start Date: 21-Jul-87	-Jul-87		TERATOLOGY/
Animal: 87000819 Sex: Male Day of death: 143 Status: NORMAL	00819	Status:	Sex: Mele Status: NORMAL,	EUTHANIZED	Group: 4	Terminal body	Terminal body weight (kms):	Group: 4 Dose level: 12.7 PPT/day (FEUTHANIZED 0.55
Tissue Finding, severity	Finding,	Finding, severity	¥	* ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	Observations >>> Gross Free-Text Comments	ervations >> Gross Free-Text Comments		
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED		,				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

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M o H o H

Mecropsy

¥

Mecropsy memos

No necropsy memos recorded on animal

Tissue

^ Astopathologic diagnoses / Special histological comments
//ONLY PARTES DISTALIS AND INTERMEDIA PRESENT RECUT DONE PITUITARY GLAND EPIDIDYMUS Tissue

MEMORRHAGE, Slight, Multifocal. PROSTATE

INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	STITUTE OF PATH SERV	RESEARCH	Individual Animal Data Dump Table Study Number: 87012M	Data Dump Table r: 87012M	PRINTED: 16-Apr-90 Page: 172
PRESIDIO OF SAN FRANCISCO, CA 94129 Rat/Sprague-Dawley	RANCISCO, Y	CA 94129	Study Start Date: 21-Jul-87	e: 21-Jul-87	TERATOLOGY
Animel: 87000823 Day of death: 134	00823	Sex: Male Status: NORMAL,		Terminal body w	12.7 PPI/day 0.59
Tissue Finding, severity	Finding, severity		Ø	Observations >> Gross Free-Text Comments	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED			
Tissue	Recropsy memos	E E E E	× × × × × × × × × × × × × × × × × × ×	X 6 2 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos recorded on animal	recorded on ani	on animal			
Tissue	Histopath INFLAMMAT	<pre>/</pre>	/ Special histological comments / Special histological comments . Slight, Multifocal.	sthology Observations >> Special histological comments	

			ì	· /· · · · · · · · · · · · · · · · · ·				
LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAM FRANCISCO, CA 04.120	MSTITUTE OF PATH SERV	F RESEARCH GP CA 04120		Indivi	Individual Animal Data Dump Table Study Number: 87012M	ta Dump Table 87012M	-	PRINTED: 16-Apr-90 Page: 173
RAT/Sprague-Dawley	• x			Stu	Study Start Date: 21-Jul-87	21-Jul-87		TERATOLOGY/
Animal: 87000838 Sex: Mald	2	Status:		Sex: Male Status: NORMAL, EUTHANIZED	Group: 4	Group: 4 Terminal bo	Terminal body weight (kms):	12.7 PPT/day 0.56
Tissue		Finding, severity	;	* * O L U . >>	Observ Gross F	Observations >> Gross Free-Text Comments		
WHOLE BODY	NO LESTON	NO LESIONS RECOGNIZED		6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8				9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tissue		# OE		< Necropsy	e X X X	X 6 9 8 8 8		
No necropsy memos recorded on animal	s recorded	recorded on animal	* * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			0 4 6 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue		Kistopathologic diagnose	d vy	athology Special histol	Obser ogical comment	Mistopathologic diagnoses / Special histological comments		
PROSTATE	INFLAMMA	INFLAMMATION, LYMPHOCYTI	OCYTIC,	IC, Slight, Multifocal.	cal.			

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LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP.	STITUTE OF RES	SEARCH	Indiv	Individual Animal Data Dump Table Study Number: 87012H		PRINTED: 16-Apr-90 Page: 174
RAT/Sprague-Dawley	KANCISCO, CA Y Y	¥154	8	Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000851 Day of death: 142	00851	Sex: Male Status: NORMAL,	EUTHANIZED	Group: 4 Termi	Terminal body weight (kms):	12.7 PPT/day 0.63
Tissue	Finding, severity	erity <<	8 0 L U	O.b.s.ervætions >> Gross Free-Text Comments,	7 V 1 C S S S S S S S S S S S S S S S S S S	
WHOLE BODY	NO LESIONS RECOGNIZED	:	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2 4 0 5 5 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000060000000000000000000000000000000000
Tissue	Necropsy memos		>>			
No necropsy sessos recorded on anissi	recorded on a					
Tissue	Histopathologic diagnoses	~ ` : .	Special histological	/ special histological comments Moderate, Multifocal.	*	

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DIV OF RES SUPP.	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP		Indiv	Individual Animal Data Dump Table Study Number: 87012M	ble	_	PRINTED: 16-Apr-90 Page: 175
RAT/Spregue-Dawley	AAACI		S	Study Start Date: 21-Jul-87			TERATOLOGY/
Animal: 87000855 Day of death: 147	00655		Sex: Male Status: MORMAL, EUTHANIZED	Group: 4 Terminal body	rminal body we	Dose level: ight (kms):	12.7 PPT/day 0.55
Tissue	Finding, severity		* * 0 L 9 *	Α.	s >> omments		
WOLE BODY	NO LESIONS RECOGNIZED		60000000000000000000000000000000000000			: : : :	6 6 8 0 9 9 9 9 9 9 9 9 8 9 8 9 8 9 8 9 8 9
Tissue	Hecropsy memos		X	*			
No necropsy memos	No necropsy memos recorded on animal	!				· • • • • • • •	
	Aistopathologic diagnoses	4 > b	stholog Special histo	Pathology Observations / Special histological comments	^^ * C		1
EPIDIDYMUS	INFLANMATION, LYMPHOCYTIC, Slight, Multifocal.		Slight, Multif	;, Slight, Multifocal.	# 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		6 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

LETTERMAN ARNY IN DIV OF RES SUPP,	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual	Individual Animal Data Dump Table Study Number: 87012M	able		PRINTED: 16-Apr-90 Page: 176
PRESIDIO OF SAN FRA RAI/Sprague-Dawley	RANCISCO, CA 94129 Y	Study St	Study Start Date: 21-Jul-87	2		TERATOLOGY/
Animal: 8700867 Day of death: 141	Animal: 87000867 Sex: Male Day of death: 141 Status: NORMAL	EUTHANIZED	Group: 4	Dose level: Terminal body weight (kms):	Dose level: ight (kms):	12.7 PPT/day 0.58
Tissue	rity	# C L	s e r v a t i o Gross Free-Tex			
WHOLE BODY	NO LESIONS RECOGNIZED	6 0 0 0 F F F F F F F F F F F F F F F F)		
Tissue	Mecropsy memos	<	V Remos	^		8 8 9 9 0 0 3 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
No necropsy memos	No necropsy memos recorded on animal					
Tissue	<pre></pre>	Pathology Observations:/Special histological comments	Observati al comments	^		
PITUITARY GLAND	JOHLY PARS DISTALIS PRESEN	NT RECUT DONE				
EPIDIDÝMUS	INFLANNATION, LYNPHOCYTIC,	, Slight, Focal.				
PROSTATE	INFLAMMATION, LYMPHOCYTIC,	;, Slight, Multifocal.				

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RAT/Sprague-Dawley	ey		1-Jul-87 TERATOL
Animal: 87000873 Day of death: 147	00873	Sex: Male	Group: 6 Terminal body weight (kms): 0.58
Tissue WNOLE BODY	Finding, severity NO LESIONS RECOGNIZED	٧	cc Gross Free-Text Comments
Tissue	Necropsy memos		<< meclopsy mesos >>
No necropsy memor	•		
Tissue PITUITARY GLAND	Mistopathologic diagnoses	egnoses /	Pathology Observations >> I Special histological comments INTERMEDIA PRESENT RECUT DONE
EP ID IDÝMUS	INFLAMMATION, LYMPHOCYTIC,	MOCYTIC,	Slight, Multifocal.

INFLANMATION, LYMPNOCYTIC, Mild, Multifocal.

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PRESIDIO OF SAW FRA RAT/Sprague-Dawley	RANCISCO, CA 94129 Y			TERATOLOGY/
Animal: 87000883 Day of death: 140	Animal: 87000883 Sex: Jay of death: 140	Sex: Male Status: NORMAL, EUTHANIZED	Group: 4 Terminal body weight (kms):	12.7 PPT/day 0.55
• • •	Finding, severity	\$ \$ 0 L G >>		
WHOLE SODY	NO LESIONS RECOGNIZED	ED		
Tissue	Mecropsy memos	>		
No necropsy memos	No necropsy memos recorded on animal			
	Mistopathologic diagnoses	<pre><< P a t h o l o g y gnoses / Special histol</pre>	Pathology Observations >> ./Special histological comments	
EPIDIOYMU\$	INFLANNATION, LYMPNOCYTIC,	OCYTIC, Slight, Multifocal.	, Slight, Multifocal.	
PROSTATE	INFLANMATION, LYMPHOCYTIC,	OCYTIC, Slight, Multifocal.	cal.	

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PRESIDIO OF SAW FRA	3	Study Start Date: 21-Jul-87	TERATOLOGY/
Animel: 87000893 Day of death: 143	00893	Group: 4 Dose AL, EUTHANIZED Group: 4	12.7 PPT/day 0.60
Tissue	Finding, severity	<pre><< G T O S S O D S E T V B t I O D S >> Gross Free-Text Comments</pre>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Necropsy memos	<< meriopsy mesos >>	
No necropsy memos	No necropsy seros recorded on animal		• • • • • • • • • • • • • • • • • • •
Tissue	Mistopathologic diagnoses	Mistopathologic diagnoses / Special histological comments DEGENERATION, SENINIFEROUS TUBULES, Slight, Multifocal.	
EPIDIDÝMUS	INFLAMMATION, LYMPHOCYTIC, Slight, Focal.	ic, slight, Focal.	
PROSTATE	INFLANMATION, LYMPHOCYTIC Mineralization, slight, P	C, Mcderate, Multifocal. Multifocal.	

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RAT/Sprague-Dauley	KAMLISCU, LA YAILY !Y		Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000895 Day of death: 143	00895	Sex: Male tus: NORMAL,	Group: 4 Terminal body w	12.7 PPT/day 0.58
Tissue	Finding, severity	V	<pre><< Gross Free-Text Comments</pre>	
WHOLE BODY	NO LESIONS RECOGNIZED	11 ZED		# 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tissue	Hecropsy memos		<< ***********************************	
No necropsy memos	No necropsy memos recorded on animal	11	1	
Tissue	Mistopathologic d	/ segnoses /	<pre><< p a t h o l o g y 0 b s e r v a t i o n s >> Mistopathologic diagnoses / Special histological comments</pre>	
PITUITARY GLAND	CYST(S), Slight, Focal.	Focal.		
EPIDIOÝMUS	INFLAMMATION, LYMPHOCYTIC,		Slight, Multifocal.	
PROSTATE	INFLAMMATION, LYMPHOCYTIC	IPHOCYTIC,	, Slight, Multifocal.	•

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RAT/Sprague-Dawley	KANCISCO,	CA 94129			Stu	dy Start	Date:	Study Start Date: 21-Jul-87	7				TERATOLOGY/
Animal: 87000897 Sex: Nale Day of death: 143 Status: MORMA	00897	Sex: Status:	Sex: Male tus: NORMAL,	Sex: Nale Status: NORMAL, EUTHANIZED		5	Group: 4	Group: 4	Terminal	Dose level: Terminal body weight (kms):	Dose (evel: weight (kms):	12.7	12.7 PPT/day 0.56
	Finding, severity	severity	¥		•	s q 0	F C C A	O b s e r v a t i o n.s v v Gross Free-Text Comments	s >> Comments		† 1 1 1 1 1	: : : : :	
WHOLE BODY	NO LESIONS RECOGNI	NO LESIONS RECOGNIZED	9	• • • • • • • • • • • • • • • • • • •	•	:			# 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	: : : : : :		: : : : :	
Tissue	Necropsy memos	200		× × × × × × × × × × × × × × × × × × ×	n r	> a	æ æ	** O E U X	^		1		
No necropsy memos recorded on animal	recorded	on snimel										-	
	Histopath	Kistopathologic diagnoses	<< P 4 3008es /	Pathology Observations / Special histological comments	o g y	ogical c	s e r omments			· 🛕			·
PROSTATE	INFLAMMAT	INFLAMMATION, LYMPNOCYTIC,	•	Mild, Multifocal.	ti foca			•		: : : : : : :	6 6 7 8 8		

LETTERNAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	INSTITUTE O	F RESEARCH		Indivi	Individual Animal Data Dump Table Study Number: 87012M	ble		PRINTED: Page:	PRINTED: 16-Apr-90 Page: 182
PRESIDIO OF SAN FRA RAT/Spregue-Dawley	N FRANCISCO, wley	CA 94129		Stı	Study Start Date: 21-Jul-87				TERATOLOGY/
Animal: 87000911 Sex: Mal Day of death: 140 Status: NOR	87000911 140	Sex: Male Status: NOR	Male NORMAL,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 4 Terminal	Terminal body weight (kms):	Dose level:		12.7 PPT/day 0.56
Tissue Finding, severity	Finding.	Finding, severity	•	880 L 9	O b s e r v a t i o n s >> Gross Free-Text Comments	s vy Comments			
WHOLE BODY	NO LESTO	NO LESIONS RECOGNIZED	:	4 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0		6 6 7 1 1 1 1		1 1 1 1 1 1 1 1
Tissue	Mecropsy memos	memos		<< Necropsy	opsy mesos	^		1	
No necropsy memos recorded on animal	Nos recorded	recorded on animal		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6 8 8 9 9 9 9 9 9	6 6 7 8 8 8 8 8 8		
Tissue		hologic dia	<< P	athology Special histol	*	AA 80 EC 0			
		DEGENERATION, SEMINIFER	I FEROUS	OUS TUBULES, Slight, Multifocal.	† 				

INFLANMATION, LYMPHOCYTIC, Slight, Hultifocal.

INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

Miscellaneous. INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

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RAT/Sprague-Dawley	wiey	A 74129		is in	Study Start Date: 21-Jul-87	21-Jul-87			TERATOLOGY/
Animal: 87000923 Day of death: 148	Animal: 67000923 Sex: Mal	Sex: Male	Male Normal,	Sex: Male Status: NORMAL, EUTHANIZED	Group: 4	Group: 4 Dose level: Group: 4 Terminal body seight (kms):	Terminal body weight (kms):	(kms):	Animal: 87000923 Sex: Male Group: 4 Dose [evel: 12.7 PPT/day Day of death: 148 Status: NORMAL, EUTHANIZED
Tissue	Finding, severity	everity	¥	8 8 0 L 9 >>		Observations >> Gross Free-Text Comments			
SPLEEN	DISCOLORATION, Mild	TON, MILE	; ; ;	• • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • •			AT TIP
LIVER	CONGESTED, Trace	Trace							
Tissue	Necropsy memos	80			# C 1 0 0 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4	× × × × × × × × × × × × × × × × × × ×		* * *	<< ***********************************
No necropsy me	No necropsy memos recorded on animal	3 5 2 (

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PITUITÀRY GLAND

Tissue

PROSTATE

INFLAMMATION, LYMPHOCYTIC, Moderate, Multifocal.

LETTERNAM ARMY INSTITUTE OF RI DIV OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	ıjpuI	Individual Animal Data Dump Table Study Number: 87012M		PRINTED: 16-Apr-90 Page: 184
PRESIDIO OF SAM FRI RAT/Sprague-Dawley	PRESIDIO OF SAM FRANCISCO, CA 96129 RAT/Sprague-Dawley		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000931 Day of death: 140	7000931 Sex: Male 60 Status: NORMAL		Group: 4 Terminal bod	Dose level: Terminal body weight (kms):	12.7 PPT/day 0.60
Tissue			bservations >>> Gross Free-Text Comments		
UNOLE BODY	NO LESIONS RECOGNIZED	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 4 5 6 6 6 7 6 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	• 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0
Tissue	Necropsy memos		AA 55 C E 40 XI		
No necropsy memos	No necropsy memos recorded on animal			•	
Tissue	Kistopathologic diagnose	Pathologis/Special histo	A pathologic diagnoses / Special histological comments		
PITUITARY GLAND	/ONLY PARS DISTALIS PRESEN	SENT RECUT DONE	T RECUT DOME	* * * * * * * * * * * * * * * * * * *	
PROSTATE	INFLANMATION, LYMPHOCYTIC,	IC, Mild, Multifocal.	.pet.		

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LETTERMAN ARMY IN DIV OF RES SUPP.	LETTERNAM ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table Study Number: 87012M	PRINTED: 16-Apr-90 Page: 185
RAT/Spregue-Dawley	ARBIDIO OF SAN FRANCISCO, LA 74127 Al/Sprague-Dawley	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 67000933 Day of death: 148	00933 Status: MORM	Group: 4 Terminal body weight (kms):	12.7 PPT/day 0.58
Tissue		0 bservations >> Gross Free-Text Comments	
	DISCOLORATION, Trace	PALE STREAKS	0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
LIVER	CONGESTED, Trace	SWOLLEN W PALE STREAKS	
Tissue	Necropsy memos	<< mecropsy mesos >>	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
No necropsy memos	No necropsy memos recorded on animal		
Tissue	Mistopathologic diagnoses	Pathology Observations >> s / Special histological comments	
	INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.	Mild, Multifocal.	2 B B B B B B B B B B B B B B B B B B B
KIDNEY	Miscellaneous. NYPERPLASIA, EPITHELIUM OF	OF TUBULES, Slight, Multifocal.	

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	INSTITUTE O	F RESEARCH	Indi	Individual Animal Data Dump Table Study Number: 87012M	ŭ	PRINTED: 16-Apr-90 Page: 186
PRESIDIO OF SAN FRA RAT/Sprague-Dawley	FRANCISCO, ley	CA 94129		Study Start Date: 21-Jul-87		TERATOLOGY/
Animal: 87000953 Day of death: 134	7000953 34	Sex: Male Status: NORMAL	Sex: Male Status: NORMAL, EUTHANIZED		Terminal body weight (kms):	•
Tissue	Finding,	<< Tissue Finding, severity	* * 0 1 9 >>	Observations >>> Gross Free-Text Comments	n s >> Comments	
WHOLE SODY		NO LESIGNS RECOGNIZED	• • • • • • • • • • • • • • • • • • • •		•	6 6 6 6 6 6 6 6 6 7 7 8 8 8 8 8 8 8 8 8
Tissue				Merrors V Meros >>		
No necropsy memos recorded on animal	os recorded	recorded on animal				
Tissue		<< ihologic diagnose	Patholog s/Special hist	Alstopathologic diagnoses / Special histological comments	Å A	
EPIDIDYNUS	•	INFLANMATION, LYMPNOCYTIC, Slight, Multifucal. Inflammation, Granulomatous, Moderate, Focal.	C, Slight, Multi DUS, Moderate, F	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

INFLAMMATION, LYMPNOCYTIC, Mild, Multifocal.

PROSTATE

PATHOLOGY Appendix 0 (Cont.):

LETTERMAN ARMY INSTITUTE OF REDIVER OF RES SUPP, PATH SERV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP. PATH SERV GP (1975)	.	Indi	Individual Animal Data Dump Table Study Number: 87012M	Table			PRINTED: Page:	PRINTED: 16-Apr-90 Page: 187
RAT/Spregue-Dawley	PRESIDIO OF SAN FRANCISCO, CA 94:CV RAT/Spregue-Dawley		v	Study Start Date: 21-Jul-87	11-87				TERATOLOGY/
Animal: 8700961 Day of death: 149	00961		Sex: Male Status: NORMAL, EUTHANIZED	•	Terminal	body w	Dose level: sight (kms):	12.7 P	12.7 PPT/day 0.48
Tissue	Tissue Finding, severity		* * O L U		ons >> ext Comments				
WHOLE BODY	NO LESIONS RECOGNIZED	1	0 d d d d 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		• • • • • • • • • • • • • • • • • • •		* * * * * * * * * * * * * * * * * * *	• • • • •	1 1 1 1 1 1 1 1 1
Tissue	Necropsy memos		× × × · · · · · · · · · · · · · · · · ·		*				
No necropsy memos	No necropsy memos recorded on animal	1 1 1 1 1 1 1				; ; ; ; ; ;			
Tissue	Mistopathologic di	<< P	atholog Special hist	Alistopathologic diagnoses / Special histological comments	· · · · · · · · · · · · · · · · · · ·	•			
All protocol requ	All protocol required tissues normal.				•		6 1 4 1 2 2	! 4 • 1 •	

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PATHOLOGY
(Cont.):
Appendix 0
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LETTERMAN ARMY INSTITUTE OF REDIV GP	LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP	Individual Animal Data Dump Table PRINTED: 16-Apr-90 Study Number: 87012M	16-Apr-90
PRESIDIO OF SAN FR/ RAT/Sprague-Dawley	PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/Sprague-Dawley	Study Start Date: 21-Jul-87	TERATOLOGY/
Animal: 87000975 Day of death: 149	00975 Sex: Male Status: NORMAL	Group: 4 Terminal body weight (kms): 0.5	7 PPT/day is
Tissue T	<pre></pre>	Gross Free-Text Comments	1 1 0 0 0
WHOLE BODY	NO LESIONS RECOGNIZED		
Tissue	Necropsy memos	<< repressive the section of the sec	6 8 8 9 8
No necropsy memos			
	<pre>/</pre>	Aistopathologic diagnoses / Special histological comments.	6 6 8 9 9
	DEGENERATION, SEMINIFEROUS HYPERPLASIA, INTERSTITIAL C	S TUBULES, Moderate, Multifocal. CELL, Mild, Diffuse.	
EPIDIDYMUS	INFLAMMATION, SUBACUTE, Mild, Multifocal. DECREASED SPERMATOZOA, Moderate, Multifocal. EPITHELIAL MYPERPLASIA, Moderate, Multifocal	ild, Multifocal. Jerate, Multifocal. oderate, Multifocal.	
PROSTATE	INFLAMMATION, LYMPHOCYTIC.	Moderate, Multifocal.	

PATHOLOGY

Glossary of Microscopic Findings

Coagulating Gland

--Inflammation, Lymphocytic: The interstitial connective tissue is infiltrated with increased numbers of lymphocytes, individually or in small aggregates.

Epididymus

- --Decreased Spermatozoa: Decreased numbers of spermatozoa are present in epididymal tubules.
- --Epithelial Hyperplasia: The epithelium is multi-layered and non-ciliated. This is associated with inflammation and the epithelium is infiltrated with leukocytes.
- --Inflammation, Granulomatous: Focal or multifocal granulomatous inflammation with sperm visible.
- --Inflammation, Lymphocytic: Increased numbers of lymphocytes, individually and in small aggregates, are confined to the interstitial connective tissue and occasionally the glandular epithelium.
- --Inflammation, Subacute: The interstitial connective tissue contains increased numbers of lymphocytes, neutrophils and macrophages.

Fetus

--Autolysis, with Associated Endometrial Inflammation: The endometrium is infiltrated with neutrophils. Indicates death in utero.

Kidney

- -- Hydronephrosis, Unilateral: Self-explanatory.
- --Hyperplasia, Epithelium of Tubules: Self-explanatory.
- -- Vacuolation, Epithelium of Tubules: Self-explanatory

Liver

- --Inflammation, Subacute: Multifocal infiltration of the connective tissue of portal triads and/or sinusoids by a mixed population of mononuclear cells.
- -Injection Artifact: Self-explanatory.

Lungs

- -Acute Congestion: Self-explanatory.
- -- Alveolar Histiocytosis: Self-explanatory.
- -- Hemorrhage: Self-explanatory.
- --Inflammation, Interstitial, Subacute: Multifocal, interstitial aggregates of macrophages and neutrophils, with a few lymphocytes, are randomly scattered through the parenchyma.
- --Vascular Mineralization: The walls of one or more medium-sized vessels in the lungs has a mineralized focus.

Appendix O (Cont.):

PATHOLOGY

Ovaries

- --Cyst(s): Self-explanatory.
- --Decreased Corpora Lutea: Corpora lutea are decreased in number.
- -- Hyperplasia, Interstitial Cell: Self-explanatory.
- -- Mineralization: Self-explanatory.

Pituitary Gland

- --Cyst(s): Ciliated or non-ciliated, in any portion of the gland.
- --Inflammation, Lymphocytic: Increased numbers of lymphocytes are present in the interstitial connective tissue of the pars distalis.

Prostate Gland

- --Hemorrhage: Self-explanatory
- --Inflammation, Acute: Neutrophils are present in the interstitial tissue and in the epithelium and lumens of the glands.
- --Inflammation, Lymphocytic: Increased numbers of lymphocytes, individually and in small aggregates, are confined to the interstitial connective tissue and occasionally the glandular epithelium.
- --Inflammation, Purulent: One or more glandular lumens contains masses of neutrophils, degenerating neutrophils and debris.
- --Mineralization: Small, mineralized foci, probably sloughed epithelial cells, are present in glandular lumens.
- -- Necrosis: Necrotic cells, probably epithelial, are present in one or more glandular lumens.

Testes

- --Degeneration, Seminiferous Tubules: Loss of germinal epithelium, with local aspermatogenesis. Sertoli cells remain.
- --Hyperplasia, Interstitial Cell: Self-explanatory.
- --Inflammation, Lymphocytic, Tunica Albuginea: An infiltrate of lymphocytes is present in the tunica albuginea.

 Thymus
- -- Acute Hemorrhage: Self-explanatory.

Urinary Bladder

--Inflammation, Lymphocytic: The submucosal connective tissue is infiltrated with increased numbers of lymphocytes, individually or in small aggregates.

Uterus

--Dilated Lumen: Self-explanatory.

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Appendix O (Cont.):

PATHOLOGY

- --Hemorrhage/Hematoma: Self-explanatory.
- --Inflammation, Lymphocytic: Infiltration of the submucosa and mucosa with lymphocytes.
- --Inflammation, Suppurative: The lumen contains masses of neutrophils, degenerate neutrophils, and debris.
- --Lymphoid Aggregates: Self-explanatory.
- --Pigment in Macrophages: Groups of macrophages contain yellow-brown, refractile, granular, isotropic pigment, probably lipofuscin and/or ceroid.

Vagina

- --Hemorrhage: Self-explanatory.
- --Inflammation, Acute, Serosa: There is an infiltration of neutrophils in the adventitial connective tissue.
- --Inflammation, Lymphocytic: Infiltration of the submucosa and mucosa with lymphocytes.
- --Inflammation, Subacute: The submucosa is infiltrated by lymphocytes, neutrophils, and a few macrophages.

Vulva

--Inflammation, Lymphocytic: Infiltration of the submucosa and/or mucosa with lymphocytes.

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